



## Section D — Thermoplastic Tubing

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**D**

Contact Parflex for current price and delivery information on shaded parts.



# Polyethylene Tubing

**Series E: Instrument Grade—FDA, NSF Listed**  
**Series EB: Ultraviolet Light Resistant**

- Chemical Resistant
- Low Cost
- Five Tube Sizes
- Flexible
- Ten Colors
- Choice of Reel Lengths

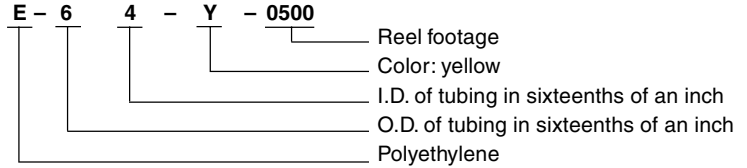
Parflex flexible polyethylene thermoplastic tubing is extruded from high molecular weight resin for increased dimensional stability, uniformity and long-term strength. Its resistance to environmental stress cracking greatly exceeds that of ordinary polyethylene tubing as measured by ASTM D-1693 (10% IGEPAL).

Parflex E series polyethylene tubing is available in black as well as nine other colors, as recommended by the Instrument Society of America. Black (EB) tubing contains an ultraviolet inhibitor which is recommended for use in sunlit areas and in close proximity to high ultraviolet light sources. FDA, NSF 51 and NSF 61 compliant black polyethylene tubing is also available and is denoted with the letters "NSF" in the part number. Ingredients of E series natural and colored tubing listed below meet FDA, NSF 51 and NSF 61 requirements for food contact applications. All tubing conforms to ASTM D-1248, Type I, Class A, Category 4, Grade E5.

Suggested operating temperature range is -80°F (-62°C) to +150°F (+66°C).

### How to order Parflex polyethylene tubing

Example: E-64-Y-0500 is 3/8" O.D. x .250" I.D. x 500' long.



### Fitting Recommendation:

- Parker TrueSeal™ fittings
- Parker Fast & Tite® fittings
- Parker Brass Fittings available from Brass Products Division, Otsego, Michigan, Phone (616) 694-9411

**Note:** Specific parameters apply to all part numbers in that group.

| Part Number   | Color   | O. D. in. | I. D. in. | Avg. Wall Thick. | Working Pressure at 73°F psi | Min. Burst Pressure at 73°F psi | Reel Length ft. | Min. Bend Radius in. | Weight lbs. Per 100 ft. |
|---------------|---------|-----------|-----------|------------------|------------------------------|---------------------------------|-----------------|----------------------|-------------------------|
| #             |         |           |           |                  |                              |                                 |                 |                      |                         |
| E-43-0100     | Natural | 1/4       | .170      | .040             | 120                          | 480                             | 100             | 1                    | 1.1                     |
| E-43-0500     | Natural |           |           |                  |                              |                                 | 500             |                      |                         |
| E-43-1000     | Natural |           |           |                  |                              |                                 | 1000            |                      |                         |
| EB-43-0100    | Black   |           |           |                  |                              |                                 | 100             |                      |                         |
| EB-43-0500    | Black   |           |           |                  |                              |                                 | 500             |                      |                         |
| EB-43-1000    | Black   |           |           |                  |                              |                                 | 1000            |                      |                         |
| E-43-BLK-0100 | Black   |           |           |                  |                              |                                 | 100             |                      |                         |
| E-43-R-0100   | Red     |           |           |                  |                              |                                 | 100             |                      |                         |
| E-43-R-0500   | Red     |           |           |                  |                              |                                 | 500             |                      |                         |
| E-43-B-0100   | Blue    |           |           |                  |                              |                                 | 100             |                      |                         |
| E-43-BLK-0500 | Black   |           |           |                  |                              |                                 | 500             |                      |                         |
| E-43-B-0500   | Blue    |           |           |                  |                              |                                 | 500             |                      |                         |
| E-43-O-0100   | Orange  |           |           |                  |                              |                                 | 100             |                      |                         |
| E-43-O-0500   | Orange  |           |           |                  |                              |                                 | 500             |                      |                         |
| E-43-Y-0100   | Yellow  |           |           |                  |                              |                                 | 100             |                      |                         |
| E-43-Y-0500   | Yellow  |           |           |                  |                              |                                 | 500             |                      |                         |
| E-43-P-0100   | Purple  |           |           |                  |                              |                                 | 100             |                      |                         |
| E-43-P-0500   | Purple  |           |           |                  |                              |                                 | 500             |                      |                         |
| E-43-G-0100   | Green   |           |           |                  |                              |                                 | 100             |                      |                         |
| E-43-G-0500   | Green   |           |           |                  |                              |                                 | 500             |                      |                         |
| E-43-WHT-0100 | White   | 100       |           |                  |                              |                                 |                 |                      |                         |
| E-43-WHT-0500 | White   | 500       |           |                  |                              |                                 |                 |                      |                         |
| E-43-GRA-0100 | Gray    | 100       |           |                  |                              |                                 |                 |                      |                         |
| E-43-GRA-0500 | Gray    | 500       |           |                  |                              |                                 |                 |                      |                         |
| E53-0100      | Natural |           |           |                  |                              |                                 | 100             |                      |                         |
| E-53-0500     | Natural |           |           |                  |                              |                                 | 500             |                      |                         |
| EB-53-0100    | Black   |           |           |                  |                              |                                 | 100             |                      |                         |
| EB-53-0500    | Black   |           |           |                  |                              |                                 | 500             |                      |                         |

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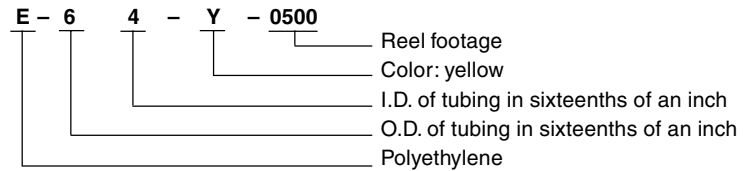


# Polyethylene Tubing (Cont'd.)

Series E: Instrument Grade—FDA, NSF Listed  
Series EB: Ultraviolet Light Resistant

### How to order Parflex polyethylene tubing

Example: E-64-Y-0500 is 3/8" O.D. x .250" I.D. x 500' long.



**D**

**Note:** Specific parameters apply to all part numbers in that group.

| Part Number    | Color   | O. D. in. | I. D. in. | Avg. Wall Thick. | Working Pressure at 73°F psi | Min. Burst Pressure at 73°F psi | Reel Length ft. | Min. Bend Radius in. | Weight lbs. Per 100 ft. |
|----------------|---------|-----------|-----------|------------------|------------------------------|---------------------------------|-----------------|----------------------|-------------------------|
| #              |         |           |           |                  |                              |                                 |                 |                      |                         |
| E-64-0100      | Natural | 3/8       | .250      | .062             | 125                          | 500                             | 100             | 1-1/4                | 2.5                     |
| E-64-0500      | Natural |           |           |                  |                              |                                 | 500             |                      |                         |
| EB-64-0100     | Black   |           |           |                  |                              |                                 | 100             |                      |                         |
| EB-64-0500     | Black   |           |           |                  |                              |                                 | 500             |                      |                         |
| EB-64-0500-NSF | Black   |           |           |                  |                              |                                 | 500             |                      |                         |
| E-64-R-0100    | Red     |           |           |                  |                              |                                 | 100             |                      |                         |
| E-64-R-0500    | Red     |           |           |                  |                              |                                 | 500             |                      |                         |
| E-64-B-0100    | Blue    |           |           |                  |                              |                                 | 100             |                      |                         |
| E-64-B-0500    | Blue    |           |           |                  |                              |                                 | 500             |                      |                         |
| E-64-O-0100    | Orange  |           |           |                  |                              |                                 | 100             |                      |                         |
| E-64-O-0500    | Orange  |           |           |                  |                              |                                 | 500             |                      |                         |
| E-64-Y-0100    | Yellow  |           |           |                  |                              |                                 | 100             |                      |                         |
| E-64-Y-0500    | Yellow  |           |           |                  |                              |                                 | 500             |                      |                         |
| E-64-P-0100    | Purple  |           |           |                  |                              |                                 | 100             |                      |                         |
| E-64-P-0500    | Purple  |           |           |                  |                              |                                 | 500             |                      |                         |
| E-64-G-0100    | Green   |           |           |                  |                              |                                 | 100             |                      |                         |
| E-64-G-0500    | Green   |           |           |                  |                              |                                 | 500             |                      |                         |
| E-64-WHT-0100  | White   |           |           |                  |                              |                                 | 100             |                      |                         |
| E-64-WHT-0500  | White   |           |           |                  |                              |                                 | 500             |                      |                         |
| E-64-GRA-0100  | Gray    |           |           |                  |                              |                                 | 100             |                      |                         |
| E-64-GRA-0500  | Gray    | 500       |           |                  |                              |                                 |                 |                      |                         |
| E-86-0100      | Natural | 1/2       | .375      | .062             | 90                           | 360                             | 100             | 2-1/2                | 3.6                     |
| E-86-0500      | Natural |           |           |                  |                              |                                 | 500             |                      |                         |
| EB-86-0100     | Black   |           |           |                  |                              |                                 | 100             |                      |                         |
| EB-86-0500     | Black   |           |           |                  |                              |                                 | 500             |                      |                         |
| EB-86-0500-NSF | Black   |           |           |                  |                              |                                 | 500             |                      |                         |
| E-86-WHT-0100  | White   |           |           |                  |                              |                                 | 100             |                      |                         |
| E-86-WHT-0500  | White   |           |           |                  |                              |                                 | 500             |                      |                         |
| E-86-GRA-0100  | Gray    |           |           |                  |                              |                                 | 100             |                      |                         |
| E-86-GRA-0500  | Gray    | 500       |           |                  |                              |                                 |                 |                      |                         |
| E-108-0100     | Natural |           |           |                  |                              |                                 | 100             |                      |                         |
| EB-108-0100    | Black   |           |           |                  |                              |                                 | 100             |                      |                         |



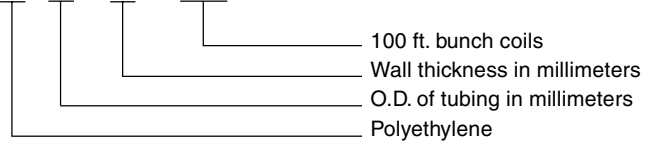
# Polyethylene Tubing (Cont'd.)

Series E: Instrument Grade—FDA, NSF Listed  
Series EB: Ultraviolet Light Resistant

### How to order Parflex polyethylene tubing

Example: E-8x1-0100

E - 8 x 1 - 0100



| Part Number                     | Color            | O. D. mm. | I. D. mm. | Wall Thick. mm. | Working Pressure at 23°C bar | Min. Burst Pressure at 23°C bar | Reel Length ft. | Min. Bend Radius mm. | Weight lbs. Per 100 ft. (kg.) |
|---------------------------------|------------------|-----------|-----------|-----------------|------------------------------|---------------------------------|-----------------|----------------------|-------------------------------|
| #                               |                  |           |           |                 |                              |                                 |                 |                      |                               |
| E-6x1-0100<br>EB-6x1-0100       | Natural<br>Black | 6         | 4         | 1               | 8.6                          | 34.5                            | 100<br>100      | 25                   | 1.3<br>(.59)                  |
| E-8x1-0100<br>EB-8x1-0100       | Natural<br>Black | 8         | 6         | 1               | 6.9                          | 27.6                            | 100<br>100      | 38                   | 1.4<br>(.64)                  |
| E-10x1.5-0100<br>EB-10x1.5-0100 | Natural<br>Black | 10        | 7         | 1.5             | 8.6                          | 34.5                            | 100<br>100      | 38                   | 2.6<br>(1.18)                 |
| E-12x1.5-0100<br>EB-12x1.5-0100 | Natural<br>Black | 12        | 9         | 1.5             | 6.2                          | 24.8                            | 100<br>100      | 63                   | 3.2<br>(1.45)                 |



# Polyethylene Tubing

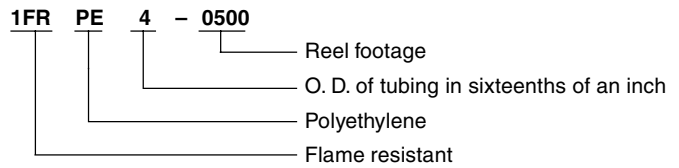
## Series FRPE: Flame Resistant

Flame resistant polyethylene is manufactured from a distinctively formulated compound which meets the UL94 V-2 flame classification. It also meets the flame spread, fuel contribution and smoke density requirements of the ASTM E84-81a tunnel test.

Parflex Series FRPE tubing is the preferred product for pneumatic control applications in the heating, ventilating, air conditioning, energy conservation industry. It is also suitable for use in petrochemical plants, petroleum refineries, pulp and paper mills, mines, steel mills and other industries where protection against intermittent flame and hot sparks is necessary.

Suggested operating temperature range is -85°F (-65°C) to +150°F (+66°C).

Order by tubing part number and name



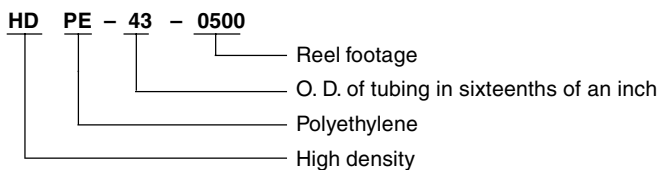
| Part Number                               | Color                   | O.D. | I.D. | Avg. Wall Thick. | Reel Length Ft.    | Working Pressure at 73°F psi | Min. Burst Pressure at 73°F psi | Min. Bend Radius in. | Weight lbs. per 100 ft. |
|---|-------------------------|------|------|------------------|--------------------|------------------------------|---------------------------------|----------------------|-------------------------|
| #   |                         |      |      |                  |                    |                              |                                 |                      |                         |
| 1FRPE2.5-0500                             | Black                   | 5/32 | .096 | .030             | 500                | 225                          | 900                             | 1/2                  | 0.56                    |
| 1FRPE4-0250<br>1FRPE4-0500<br>1FRPE4-1000 | Black<br>Black<br>Black | 1/4  | .170 | .040             | 250<br>500<br>1000 | 160                          | 650                             | 3/4                  | 1.24                    |
| 1FRPE6-0250<br>1FRPE6-0500                | Black<br>Black          | 3/8  | .250 | .062             | 250<br>500         | 195                          | 780                             | 1-1/2                | 2.90                    |
| 1FRPE8-0250                               | Black                   | 1/2  | .375 | .062             | 250                | 135                          | 540                             | 1-3/4                | 4.05                    |

## Series HDPE: High Density

Parflex Series HDPE is manufactured from high strength, high density polyethylene. This semirigid tubing is inherently resistant to most chemicals, less easily cut or damaged and has a higher burst pressure rating than series E tubing.

Suggested operating temperature range is -80°F (-62°C) to +175°F (+80°C).

Order by tubing part number and name.



| Part Number                  | Color          | O.D. | I.D. | Avg. Wall Thick. | Reel Length ft. | Working Pressure at 73°F psi | Min. Burst Pressure at 73°F psi | Min. Bend Radius in. | Weight lbs. per 100 ft. |
|------------------------------|----------------|------|------|------------------|-----------------|------------------------------|---------------------------------|----------------------|-------------------------|
| #                            |                |      |      |                  |                 |                              |                                 |                      |                         |
| HDPE-43-0250<br>HDPE-43-0500 | Black<br>Black | 1/4  | .170 | .040             | 250<br>500      | 300                          | 1200                            | 1-1/2                | 1.1                     |
| HDPE-64-0250<br>HDPE-64-0500 | Black<br>Black | 3/8  | .250 | .062             | 250<br>500      | 300                          | 1200                            | 2-1/2                | 2.5                     |





# Nylon Tubing

## Series N: Flexible

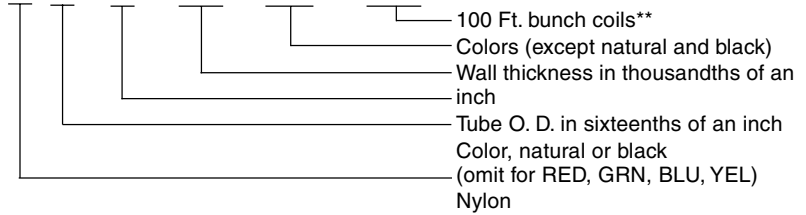
Parflex flexible nylon tubing is carefully made from high-grade, abrasion resistant, heat and light stabilized nylon. Resistance to stress cracking greatly exceeds that of ordinary nylon tubing. Parflex nylon also exhibits extremely low level water absorption.

Chemical resistant Parflex nylon tubing has the additional benefits of better flexibility, lighter weight and resistance to flexural fatigue. Operating temperatures, depending upon conditions, are -65°F (-54°C) to +200°F (+93°C) continuous.

Available in natural (NN), red (RED), green (GRN), blue (BLU), yellow (YEL), and black (NB). Black tubing is recommended for use outdoors and in sunlit areas.

**Order by tubing part number and name**

**N N - 2 - 016 - RED - 0100**



### Fitting Recommendations:

- Parker TrueSeal™ fittings
- Parker Fast & Tite® fittings
- Parker Brass Fittings available from: Brass Products Division  
Otsego, Michigan  
Phone (616) 694-9411

| Nylon Part Number        | Color            | Nom. Tube O. D. in. | Nom. Tube I. D. in. | Avg. Wall Thick. in. | *Working Pressure at 73°F psi | Min. Burst Pressure at 73°F psi | Min. Bend Radius in. | Std. Reel Length ft. | Weight lbs. Per 100 ft. |
|--------------------------|------------------|---------------------|---------------------|----------------------|-------------------------------|---------------------------------|----------------------|----------------------|-------------------------|
| #                        |                  |                     |                     |                      |                               |                                 |                      |                      |                         |
| NN-2-016<br>NB-2-016     | Natural<br>Black | 1/8                 | .093                | .016                 | 250                           | 1000                            | 1/4                  | 250                  | 0.25                    |
| NN-2-031<br>NB-2-031     | Natural<br>Black | 1/8                 | .064                | .031                 | 500                           | 2000                            | 1/4                  | 250                  | 0.42                    |
| NN-2.5-025<br>NB-2.5-025 | Natural<br>Black | 5/32                | .106                | .025                 | 250                           | 1000                            | 1/2                  | 250                  | 0.47                    |
| NN-3-025<br>NB-3-025     | Natural<br>Black | 3/16                | .138                | .025                 | 250                           | 1000                            | 5/8                  | 250                  | 0.58                    |
| NN-3-046<br>NB-3-046     | Natural<br>Black | 3/16                | .096                | .046                 | 500                           | 2000                            | 7/16                 | 250                  | 0.93                    |
| NN-4-035<br>NB-4-035     | Natural<br>Black | 1/4                 | .180                | .035                 | 250                           | 1000                            | 7/8                  | 250                  | 1.10                    |
| NN-4-040<br>NB-4-040     | Natural<br>Black | 1/4                 | .170                | .040                 | 310                           | 1250                            | 7/8                  | 250                  | 1.20                    |
| NN-4-062<br>NB-4-062     | Natural<br>Black | 1/4                 | .127                | .062                 | 500                           | 2000                            | 1/2                  | 250                  | 1.70                    |
| NN-5-040<br>NB-5-040     | Natural<br>Black | 5/16                | .233                | .040                 | 250                           | 1000                            | 1-1/8                | 250                  | 1.56                    |
| NN-6-050<br>NB-6-050     | Natural<br>Black | 3/8                 | .275                | .050                 | 250                           | 1000                            | 1-1/8                | 250                  | 2.34                    |
| NN-6-093<br>NB-6-093     | Natural<br>Black | 3/8                 | .190                | .093                 | 500                           | 2000                            | 3/4                  | 250                  | 3.80                    |
| NN-8-062<br>NB-8-062     | Natural<br>Black | 1/2                 | .375                | .062                 | 250                           | 1000                            | 1-1/4                | 250                  | 3.94                    |
| NN-8-124<br>NB-8-124     | Natural<br>Black | 1/2                 | .253                | .124                 | 500                           | 2000                            | 1                    | 250                  | 6.70                    |

**\*\*NEW**—Series N nylon tubing is now available in 100 ft. bunch coil package lengths. To order, add suffix 0100 to part number. Example: NN-4-035-0100

\*Suggested working pressure is 1/4 of burst pressure.



# Metric Nylon Tubing

## Series N: Flexible

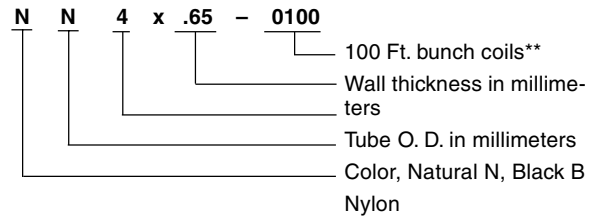
Parflex metric nylon tubing is manufactured from our high standard, high-grade, abrasion resistant, heat and light stabilized flexible nylon.

It has the same high chemical resistance and benefits of flexibility, light weight and resistance to flexural fatigue as our standard nylon tubing.

Operating temperature at rated pressures are -54°C (-65°F) to 93°C (200°F) continuous.

Parflex metric nylon is available in natural and black. Tubing can be ordered in a variety of other colors (green, red, yellow, blue) upon request.

Order by tubing part number and name



### Fitting Recommendations:

Parker metric fittings available from  
Tube Fittings Division  
Columbus, Ohio  
Phone (614) 279-7070

Parker Brass Fittings available from  
Brass Products Division  
Otsego, Michigan  
Phone (616) 694-9411



| Metric Nylon Part Number | Color            | Nom. Tube O. D. mm. | Nom. Tube I. D. mm. | Avg. Wall Thick. mm. | Working Pressure at 23°C bar | Min. Burst Pressure at 23°C bar | Min. Bend Radius mm. | Std. Reel Length ft. (meter) | Weight Per 100 FT. (kg.) |
|--------------------------|------------------|---------------------|---------------------|----------------------|------------------------------|---------------------------------|----------------------|------------------------------|--------------------------|
| #                        |                  |                     |                     |                      |                              |                                 |                      |                              |                          |
| NN4x.65<br>NB4x.65       | Natural<br>Black | 4                   | 2.7                 | 0.65                 | 26                           | 104                             | 14                   | 100<br>(30.5)                | .49<br>(.22)             |
| NN6x1<br>NB6x1           | Natural<br>Black | 6                   | 4.0                 | 1.00                 | 23.5                         | 94                              | 22                   | 100<br>(30.5)                | 1.1<br>(.50)             |
| NN8x1<br>NB8x1           | Natural<br>Black | 8                   | 6.0                 | 1.00                 | 17                           | 68                              | 29                   | 100<br>(30.5)                | 1.6<br>(.73)             |
| NN10x1<br>NB10x1         | Natural<br>Black | 10                  | 8.0                 | 1.00                 | 12.5                         | 50                              | 34                   | 100<br>(30.5)                | 2.0<br>(.91)             |
| NN12x1<br>NB12x1         | Natural<br>Black | 12                  | 10.0                | 1.00                 | 11                           | 44                              | 42                   | 100<br>(30.5)                | 2.4<br>(1.1)             |
| NN14x1.5<br>NB14x1.5     | Natural<br>Black | 14                  | 11.0                | 1.50                 | 15                           | 60                              | 57                   | 100<br>(30.5)                | 4.2<br>(1.9)             |
| NN16x1.5<br>NB16x1.5     | Natural<br>Black | 16                  | 13.0                | 1.50                 | 12.5                         | 50                              | 74                   | 100<br>(30.5)                | 4.9<br>(2.2)             |
| NN18x1.5<br>NB18x1.5     | Natural<br>Black | 18                  | 15.0                | 1.50                 | 10.5                         | 42                              | 92                   | 100<br>(30.5)                | 5.5<br>(2.5)             |
| NN20x1.5<br>NB20x1.5     | Natural<br>Black | 20                  | 17.0                | 1.50                 | 9.5                          | 38                              | 112                  | 100<br>(30.5)                | 6.2<br>(2.8)             |

To convert bar to psi, multiply by 14.5.

**\*\*NEW**—Series NR nylon tubing is now available in 100 ft. bunch coil package lengths. To order, add suffix 0100 to part number. Example: NNR-4X.65-0100



# Nylon Pure Air Tubing

## Series PAT: Ultra Pure, UV Resistant

Parflex PAT series nylon tubing is manufactured from a specially formulated nylon for use in pure air and gas distribution systems. PAT tubing offers excellent chemical resistance and ultraviolet light resistance. The tubing maintains good resistance to high ambient temperatures with low moisture absorption. PAT offers high tensile strength with excellent coupling retention in high-pressure, temperature and vibration environments. Sizes 1/4" and smaller are single wall tubing having superior heat and light resistance. Tubing sizes 3/8" O.D. and above are reinforced constructions intended for gas distribution system connections where there is no substantial movement between end couplings.

The recommended operating temperature range for service at rated pressures with compatible fluids is -70°F (-56.6°C) to +200°F (+93°C).

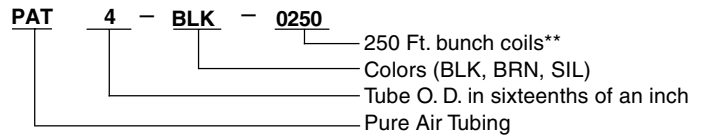
PAT tubing is rated for full vacuum service at 28 inch Hg.

Available in black (BLK), brown (BRN), and silver (SIL).

### Fitting Recommendations:

- Parker DAT series brass compression fittings.

Order by tubing part number and name



| Nylon Part Number | Nom. Tube O. D. in. | Nom. Tube I. D. in. | Avg. Wall Thick. in. | *Working Pressure at 73°F psi | Min. Burst Pressure at 73°F psi | Min. Bend Radius in. | Std.** Reel Length ft. | Weight lbs. Per 100 ft. |
|-------------------|---------------------|---------------------|----------------------|-------------------------------|---------------------------------|----------------------|------------------------|-------------------------|
| #                 |                     |                     |                      |                               |                                 |                      |                        |                         |
| PAT2              | 1/8                 | .079                | .023                 | 250                           | 1000                            | 3/8                  | 1000                   | 3.50                    |
| PAT4              | 1/4                 | .170                | .040                 | 300                           | 1200                            | 1.0                  | 250                    | 12.41                   |
| PAT6              | 3/8                 | .251                | .062                 | 350                           | 1400                            | 1-1/2                | 250                    | 28.22                   |
| PAT8              | 1/2                 | .376                | .062                 | 235                           | 950                             | 2.0                  | 500                    | 39.54                   |
| PAT10             | 5/8                 | .441                | .092                 | 225                           | 900                             | 2-1/2                | 250                    | 70.21                   |
| PAT12             | 3/4                 | .566                | .092                 | 200                           | 800                             | 3.0                  | 250                    | 87.23                   |

\*Suggested working pressure is 1/4 of burst pressure.

\*\*Other reel lengths may be available. [Contact the Parflex Division for details.](#)





# Nylon Tubing

## Series NR: Semirigid High Strength

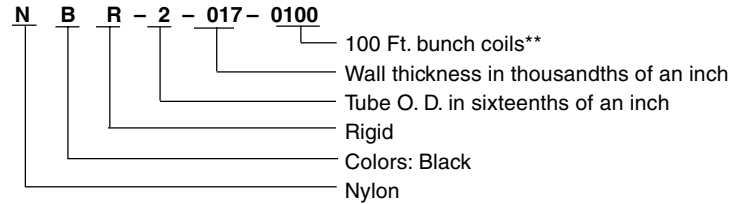
Parflex Series NR Tubing is manufactured from a semirigid nylon material. The tubing does not contain plasticizers.

Series NR semirigid nylon tubing offers better chemical resistance than series N, good resistance to high ambient temperature and low moisture absorption. NR has a high tensile strength which will give excellent coupling retention in high-pressure, temperature and vibration environments.

NR tubing is specified for machine tool lubricating systems, marine control systems, process lines for chemicals and oils, and other applications requiring a high quality nylon tube. NR and NBR tubing meets UL94HB flame resistance ratings in wall thicknesses of .033" and greater.

The recommended operating temperature range for service at rated pressures with compatible fluids is -60°F (-51°C) to +200°F (+93°C).

### Order by tubing part number and name



### Fitting Recommendations:

- Parker TrueSeal™ fittings
- Parker Fast & Tite® fittings
- Parker Brass Fittings available from  
Brass Products Division  
Otsego, Michigan  
Phone (616) 694-9411



| Nylon Part Number      | Color            | Nom. Tube O. D. | Nom. Tube I. D. | Avg. Wall Thick. | *Working Pressure at 73°F psi | Min. Burst Pressure at 73°F psi | Min. Bend Radius in. | Std. Reel Length ft. | Weight lbs. Per 100 ft. |
|------------------------|------------------|-----------------|-----------------|------------------|-------------------------------|---------------------------------|----------------------|----------------------|-------------------------|
| #                      |                  |                 |                 |                  |                               |                                 |                      |                      |                         |
| NNR-2-017<br>NBR-2-017 | Natural<br>Black | 1/8             | 0.091           | 0.017            | 425                           | 1700                            | 1/2                  | 500                  | 0.26                    |
| NNR-2-026<br>NBR-2-026 | Natural<br>Black | 1/8             | 0.073           | 0.026            | 625                           | 2500                            | 3/8                  | 500                  | 0.36                    |
| NNR-3-024<br>NBR-3-024 | Natural<br>Black | 3/16            | 0.140           | 0.024            | 425                           | 1700                            | 3/4                  | 500                  | 0.56                    |
| NNR-3-039<br>NBR-3-039 | Natural<br>Black | 3/16            | 0.110           | 0.039            | 625                           | 2500                            | 5/8                  | 500                  | 0.82                    |
| NNR-3-044<br>NBR-3-044 | Natural<br>Black | 3/16            | 0.100           | 0.044            | 800                           | 3200                            | 5/8                  | 500                  | 0.88                    |
| NNR-4-035<br>NBR-4-035 | Natural<br>Black | 1/4             | 0.180           | 0.035            | 425                           | 1700                            | 1                    | 250                  | 1.10                    |
| NNR-4-050<br>NBR-4-050 | Natural<br>Black | 1/4             | 0.150           | 0.050            | 625                           | 2500                            | 7/8                  | 250                  | 1.40                    |
| NNR-5-040<br>NBR-5-040 | Natural<br>Black | 5/16            | 0.233           | 0.040            | 425                           | 1700                            | 1-1/2                | 250                  | 1.50                    |
| NNR-6-048<br>NBR-6-048 | Natural<br>Black | 3/8             | 0.279           | 0.048            | 425                           | 1700                            | 1-3/4                | 250                  | 2.20                    |
| NNR-6-075<br>NBR-6-075 | Natural<br>Black | 3/8             | 0.225           | 0.075            | 625                           | 2500                            | 1-1/2                | 250                  | 3.20                    |
| NNR-8-062<br>NBR-8-062 | Natural<br>Black | 1/2             | 0.375           | 0.062            | 375                           | 1500                            | 2-3/8                | 250                  | 3.80                    |
| NNR-8-075<br>NBR-8-075 | Natural<br>Black | 1/2             | 0.350           | 0.075            | 550                           | 2200                            | 2-1/2                | 250                  | 4.5                     |

\* Suggested working pressure is 1/4 of burst pressure.

**\*\*NEW**—Series NR nylon tubing is now available in 100 ft. bunch coil package lengths. To order, add suffix 0100 to part number. Example: NNR-4-035-0100

Tubing with a wall thickness of .033" or larger is UL94HB flame resistance approved.



# Polypropylene Tubing

**Series PP: Laboratory Grade—FDA, NSF Listed**  
**Series PPB: Ultraviolet Light Resistant**

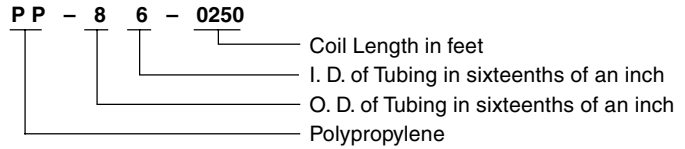
- Acid Resistant
- High Temperature
- Medium Pressures
- Chemical Resistant
- Corrosion Resistant
- Flexible
- Dimensionally Stable

Parflex polypropylene tubing may be used at higher temperatures and working pressures than polyethylene tubing. Resistance to hot water and hot corrosive acids is excellent. Polypropylene tubing will last many times longer than nylon tubing in hot water service. Parflex polypropylene tubing is available in white, black, or ultraviolet resistant black, and has good resistance to vegetable oils. Parflex polypropylene tubing has water absorption of less than .01% and has excellent resistance to environmental stress cracking. White PP series polypropylene meets FDA and NSF-51 requirements for food contact and potable water. Black polypropylene FDA and NSF-51 listed tubing is available upon special request. PPB series tubing has superior ultraviolet resistance.

Suggested operating temperatures, depending upon conditions, are 0°F (-18°C) to +200°F (+93°C).

### How to order Parflex polypropylene tubing

Example: **PP-86-0250** is 1/2" O. D. x 3/8" I. D.



### Fitting Recommendations:

- Parker TrueSeal™ fittings
- Parker Fast & Tite® fittings
- Parker Brass Fittings available from Brass Products Division, Otsego, Michigan, Phone (616) 694-9411

| Part Number                 | Color          | Nom. Tube O. D. in. | Nom. Tube I. D. in. | Avg. Wall Thick. in. | Reel Length ft. | Working Pressure at 73°F psi | Min. Burst Pressure at 73°F psi | Min. Bend Radius in. | Weight lbs. Per 100 ft. |
|-----------------------------|----------------|---------------------|---------------------|----------------------|-----------------|------------------------------|---------------------------------|----------------------|-------------------------|
| #                           |                |                     |                     |                      |                 |                              |                                 |                      |                         |
| PP-21-1000<br>PPB-21-1000   | White<br>Black | 1/8                 | .080                | .023                 | 1000            | 350                          | 1400                            | 1/2                  | 0.28                    |
| PP-32-0500<br>PPB-32-0500   | White<br>Black | 3/16                | .120                | .034                 | 500             | 350                          | 1400                            | 3/4                  | 0.62                    |
| PP-43-0500<br>PPB-43-0500   | White<br>Black | 1/4                 | .170                | .040                 | 500             | 300                          | 1200                            | 1                    | 1.01                    |
| PP-53-0500<br>PPB-53-0500   | White<br>Black | 5/16                | .187                | .062                 | 500             | 350                          | 1400                            | 1-1/4                | 1.87                    |
| PP-64-0500<br>PPB-64-0500   | White<br>Black | 3/8                 | .250                | .062                 | 500             | 300                          | 1200                            | 1-1/4                | 2.35                    |
| PP-86-0250<br>PPB-86-0250   | White<br>Black | 1/2                 | .375                | .062                 | 250             | 225                          | 900                             | 2-1/2                | 3.28                    |
| PP-108-0100<br>PPB-108-0100 | White<br>Black | 5/8                 | .500                | .062                 | 100             | 175                          | 700                             | 4                    | 4.22                    |



# Polyurethane Tubing

## Series U: Polyether Base

- Tough
- Flexible
- Broad Temperature Range
- Eight Colors
- Abrasion Resistant
- Chemical Resistant

Parflex polyurethane tubing is a high quality, precision made tubing used in a wide range of demanding and critical applications.

Polyether based, polyurethane tubing occupies a unique position among polymers, sharing the best properties of both rubber and plastic. Urethane exhibits the elongation and recovery characteristics of rubber and the chemical resistance associated with plastics. The tubing is tough, strong, kink resistant and abrasion resistant, yet it's flexible and easy to assemble onto designated fittings.

Parflex polyurethane tubing is used for a wide variety of applications. Typical usage includes air tools, robotics, pneumatic logic and actuation systems, analytical instrumentation, vacuum equipment, pressure measurement apparatus, semiconductor equipment manufacturers and a variety of medical and laboratory applications.

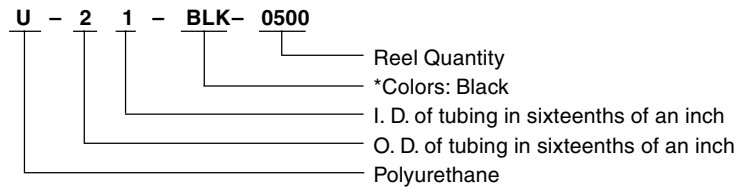
Suggested operating temperatures, depending upon conditions, are -40°F (-40°C) to +180°F (+82°C).

### Fitting

#### Recommendations:

- Parker TrueSeal™ fittings  
A tube support should be used with this tubing, sizes -64 and -86, for maximum fitting holding power.
- Parker polyurethane Fast-Stor fittings
- Parker Par-Barb fittings
- Parker Brass Fittings available from Brass Products Division  
Otsego, Michigan  
Phone (616) 694-9411

Order by tubing part number and name



### Also available in coils

| Part Number | Nom. Tube O. D. in. | Nom. Tube I. D. in. | Wall Thick. in. | **Working Pressure at 73°F psi | Min. Burst Pressure at 73°F psi | Coil Length ft. | Weight lbs. Per 100 ft. |
|-------------|---------------------|---------------------|-----------------|--------------------------------|---------------------------------|-----------------|-------------------------|
| #           |                     |                     |                 |                                |                                 |                 |                         |
| U-21-0050   |                     |                     |                 |                                |                                 | 50              |                         |
| U-21-0250   |                     |                     |                 |                                |                                 | 250             |                         |
| U-21-0500   | 1/8                 | 1/16                | 1/32            | 125                            | 375                             | 500             | 0.46                    |
| U-21-1000   |                     |                     |                 |                                |                                 | 1000            |                         |
| U-32-0050   |                     |                     |                 |                                |                                 | 50              |                         |
| U-32-0250   |                     |                     |                 |                                |                                 | 250             |                         |
| U-32-0500   | 3/16                | 1/8                 | 1/32            | 125                            | 375                             | 500             | 0.76                    |
| U-42-0050   |                     |                     |                 |                                |                                 | 50              |                         |
| U-42-0250   |                     |                     |                 |                                |                                 | 250             |                         |
| U-42-0500   | 1/4                 | 1/8                 | 1/16            | 125                            | 375                             | 500             | 1.80                    |
| U-42-1000   |                     |                     |                 |                                |                                 | 1000            |                         |
| U-64-0050   |                     |                     |                 |                                |                                 | 50              |                         |
| U-64-0100   |                     |                     |                 |                                |                                 | 100             |                         |
| U-64-0250   | 3/8                 | 1/4                 | 1/16            | 125                            | 375                             | 250             | 3.00                    |
| U-64-0500   |                     |                     |                 |                                |                                 | 500             |                         |
| U-85-0050   |                     |                     |                 |                                |                                 | 50              |                         |
| U-85-0100   |                     |                     |                 |                                |                                 | 100             |                         |
| U-85-0250   | 1/2                 | 21/64               | .086            | 125                            | 375                             | 250             | 4.40                    |
| U-86-0050   |                     |                     |                 |                                |                                 | 50              |                         |
| U-86-0100   |                     |                     |                 |                                |                                 | 100             |                         |
| U-86-0250   | 1/2                 | 3/8                 | 1/16            | 85                             | 255                             | 250             | 4.20                    |
| U-96-0050   |                     |                     |                 |                                |                                 | 50              |                         |
| U-96-0100   | 9/16                | 3/8                 | 3/32            | 125                            | 375                             | 100             | 6.80                    |
| U-128-0050  |                     |                     |                 |                                |                                 | 50              |                         |
| U-128-0100  | 3/4                 | 1/2                 | 1/8             | 125                            | 375                             | 100             | 12.00                   |

Metric part numbers continued on next page.

\* Colors: Clear-Blank, Black-BLK, Green-GRN, Red-RED, Yellow-YEL, Blue-BLU, Orange-ORG, Gray-GRA

\*\* Suggested working pressure is 1/3 of burst pressure.



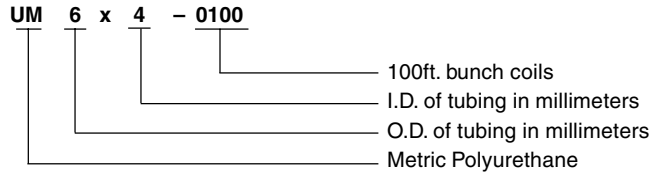


# Polyurethane Tubing (Cont'd.)

## Series U: Polyether Base

**How to order Parflex metric polyurethane tubing**

Example: UM 6x4-0100



| Part Number                                  | Nom. Tube O. D. mm. | Nom. Tube I. D. mm. | Wall Thick mm. | **Working Pressure at 23°C bar | Min. Burst Pressure at 23°C bar | Coil Length ft.   | Weight lbs. Per 100 ft. (kg.) |
|--|---------------------|---------------------|----------------|--------------------------------|---------------------------------|-------------------|-------------------------------|
| #  |                     |                     |                |                                |                                 |                   |                               |
| UM4x2.5-0100<br>UM4x2.5-0250<br>UM4x2.5-0500 | 4                   | 2.5                 | 0.75           | 9                              | 26                              | 100<br>250<br>500 | 0.06<br>(.027)                |
| UM6x4-0100<br>UM6x4-0250<br>UM6x4-0500       | 6                   | 4.0                 | 1.00           | 9                              | 26                              | 100<br>250<br>500 | 1.23<br>(.558)                |
| UM8x5-0100<br>UM8x5-0250<br>UM8x5-0500       | 8                   | 5.0                 | 1.50           | 9                              | 26                              | 100<br>250<br>500 | 2.40<br>(1.09)                |
| UM10x6.5-0100<br>UM10x6.5-0250               | 10                  | 6.5                 | 1.75           | 9                              | 26                              | 100<br>250        | 3.55<br>(1.61)                |
| UM12x8-0100<br>UM12x8-0250                   | 12                  | 8.0                 | 2.00           | 9                              | 26                              | 100<br>250        | 4.92<br>(2.23)                |

**Note:**

Metric urethane tubing is packaged in the following lengths: 100 ft. (30.5 meters), 250 ft. (76.2 meters), 500 ft. (152.4 meters).



# Polyurethane Tubing

## Series HU: High Durometer

- Tough
- Flexible
- Broad Temperature Range
- Five Colors
- Abrasion Resistant
- Chemical Resistant

Parflex high-durometer polyurethane tubing is a high quality, precision made tubing used in a wide range of demanding and critical applications.

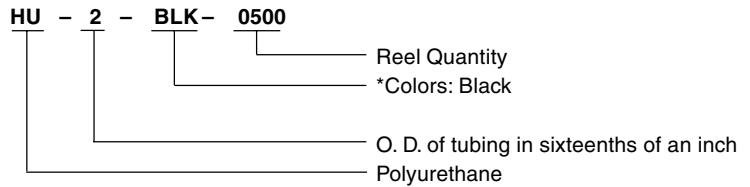
Polyurethane tubing occupies a unique position among polymers, sharing the best properties of both rubber and plastic. Urethane exhibits the elongation and recovery characteristics of rubber and the chemical resistance associated with plastics. The tubing is tough, strong, kink resistant and abrasion resistant.

Parflex high-durometer polyurethane tubing is used for a wide variety of applications. Typical usage includes air tools, robotics, pneumatic logic and actuation systems, analytical instrumentation, vacuum equipment, pressure measurement apparatus, semiconductor equipment manufacturers and a variety of laboratory applications.

Parflex high-durometer polyurethane tubing has a Shore A hardness greater than 95 durometer. This high durometer enables the use of compression/push-to-connect fittings and significantly increases the working pressure versus standard polyurethane tubing.

Suggested operating temperatures, depending upon conditions, are -40°F (-40°C) to +180°F (+82°C).

Order by tubing part number and name



### Also available in coils

| Part Number                | Nom. Tube O. D. in. | Nom. Tube I. D. in. | Wall Thick. in. | **Working Pressure at 73°F psi | Min. Burst Pressure at 73°F psi | Coil Length ft. | Weight lbs. Per 100 ft. |
|----------------------------|---------------------|---------------------|-----------------|--------------------------------|---------------------------------|-----------------|-------------------------|
| #                          |                     |                     |                 |                                |                                 |                 |                         |
| HU-2-0100<br>HU-2-0500     | 1/8                 | .063                | .031            | 300                            | 900                             | 100<br>500      | 0.48                    |
| HU-2.5-0100<br>HU-2.5-0500 | 5/32                | .094                | .031            | 210                            | 630                             | 100<br>500      | 0.64                    |
| HU-4-0100<br>HU-4-0500     | 1/4                 | .160                | .045            | 180                            | 540                             | 100<br>500      | 1.55                    |
| HU-6-0100<br>HU-6-0500     | 3/8                 | .250                | .062            | 180                            | 540                             | 100<br>500      | 3.27                    |
| HU-8-0100<br>HU-8-0250     | 1/2                 | .320                | .090            | 180                            | 540                             | 100<br>250      | 6.18                    |

Metric part numbers listed on next page.

### Fitting

#### Recommendations:

- Parker TrueSeal™ fittings
- Parker Brass Fittings available from Brass Products Division  
Otsego, Michigan  
Phone (616) 694-9411

\* Colors: Black-BLK, Red-RED, Navy Blue-DBL, Silver-SIL, Blue-BLU. Consult Division for availability of other color options.

\*\* Suggested working pressure is 1/3 of burst pressure.



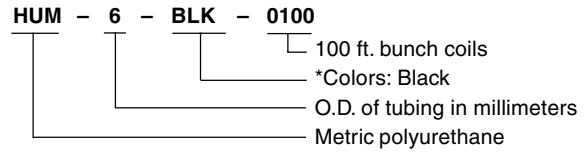


# Polyurethane Tubing (Cont'd.)

## Series HUM: High Durometer (Metric)

**How to order Parflex metric polyurethane tubing**

Example: HUM-6-RED-0100



| Part Number                | Nom. Tube O. D. mm. | Nom. Tube I. D. mm. | Wall Thick mm. | **Working Pressure at 23°C bar | Min. Burst Pressure at 23°C bar | Coil Length ft. | Weight lbs. Per 100 ft. (kg.) |
|----------------------------|---------------------|---------------------|----------------|--------------------------------|---------------------------------|-----------------|-------------------------------|
| #                          |                     |                     |                |                                |                                 |                 |                               |
| HUM-4-0100<br>HUM-4-0500   | 4                   | 2.4                 | 0.84           | 12.4                           | 37.2                            | 100<br>500      | .68<br>(0.31)                 |
| HUM-6-0100<br>HUM-6-0500   | 6                   | 4.0                 | 1.00           | 12.4                           | 37.2                            | 100<br>500      | 1.30<br>(.558)                |
| HUM-8-0100<br>HUM-8-0500   | 8                   | 5.0                 | 1.50           | 12.4                           | 37.2                            | 100<br>500      | 2.59<br>(1.17)                |
| HUM-10-0100<br>HUM-10-0250 | 10                  | 6.5                 | 1.80           | 12.4                           | 37.2                            | 100<br>250      | 3.84<br>(1.74)                |
| HUM-12-0100<br>HUM-12-0250 | 12                  | 8.0                 | 2.06           | 12.4                           | 37.2                            | 100<br>250      | 4.92<br>(2.23)                |

**Note:**

Metric urethane tubing is packaged in the following lengths: 100 ft. (30.5 meters), 250 ft. (76.2 meters), 500 ft. (152.4 meters).

\* Colors: Black-BLK, Red-RED, Navy Blue-DBL, Silver-SIL, Blue-BLU. Consult Division for availability of other color options.

\*\* Suggested working pressure is 1/3 of burst pressure.



# Polyurethane Tubing

## Series LU: Low Durometer

- Tough
- Flexible
- Broad Temperature Range
- Abrasion Resistant
- Chemical Resistant

Parflex polyurethane tubing is a high quality, precision made tubing used in a wide range of demanding and critical applications.

Polyether based, polyurethane tubing occupies a unique position among polymers, sharing the best properties of both rubber and plastic. Urethane exhibits the elongation and recovery characteristics of rubber and the chemical resistance associated with plastics. The tubing is tough, strong, kink resistant and abrasion resistant, yet it's flexible and easy to assemble onto designated fittings.

Parflex polyurethane tubing is used for a wide variety of applications. Typical usage includes air tools, robotics, pneumatic logic and actuation systems, analytical instrumentation, vacuum equipment, pressure measurement apparatus, semiconductor equipment manufacturers and a variety of laboratory applications.

LU tubing is designed for use with barbed fittings. The maximum working pressure was determined in carefully controlled tests. Actual results may vary with different media, working conditions, or fittings.

Suggested operating temperatures, depending upon conditions, are -40°F (-40°C) to +180°F (+82°C).

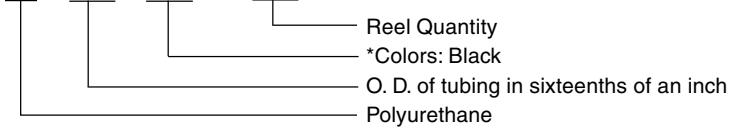
### Fitting

#### Recommendations:

- Parker Mini-Barb and Par-Barb fittings
- Parker Brass Fittings available from Brass Products Division  
Otsego, Michigan  
Phone (616) 694-9411

Order by tubing part number and name

LU - 2 - BLK - 0100



### Also available in coils

| Part Number | Nom. Tube O. D. in. | Nom. Tube I. D. in. | Wall Thick in. | **Working Pressure at 73°F psi | Min. Burst Pressure at 73°F psi | Coil Length ft. | Weight lbs. Per 100 ft. |
|-------------|---------------------|---------------------|----------------|--------------------------------|---------------------------------|-----------------|-------------------------|
| #           |                     |                     |                |                                |                                 |                 |                         |
| LU-2-0100   | 1/8                 | 1/16                | 1/32           | 145                            | 435                             | 100             | 0.44                    |
| LU-2.5-0100 | 5/32                | 5/64                | .039           | 135                            | 405                             | 100             | 0.69                    |
| LU-3-0100   | 3/16                | 1/8                 | 1/32           | 80                             | 240                             | 100             | 0.75                    |
| LU-4-0100   | 1/4                 | 1/8                 | 1/16           | 145                            | 435                             | 100             | 1.78                    |
| LU-4.5-0100 | 9/32                | 5/32                | 1/16           | 110                            | 330                             | 100             | 2.09                    |
| LU-5-0100   | 5/16                | 3/16                | 1/16           | 100                            | 300                             | 100             | 2.38                    |



\* Colors: Black-BLK. Consult division for availability of other colors.

\*\*Suggested working pressure is 1/3 of burst pressure.



# Clear Vinyl Tubing

## Parflex Clear Vinyl Tubing Formula Number V-1, Instrument and Laboratory Grade FDA Compliance

Parflex clear vinyl tubing is made from a virgin clear PVC (polyvinyl chloride) resin, specially formulated for exceptional purity, clarity and flexibility. Parflex clear vinyl tubing is superior or equivalent to clear vinyl tubing available from any other source.

Formula V-1 tubing fully meets all specifications called out by the United States Food and Drug Administration (FDA) for materials in contact with food and drugs for human consumption.

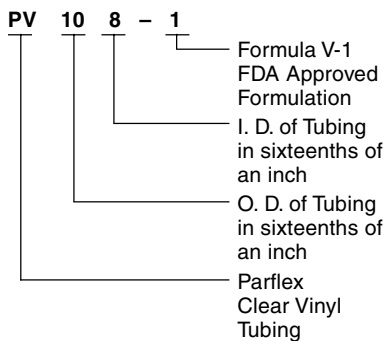
Parflex clear vinyl tubing is 70 durometer for soft, easy handling and bending without tubing collapse, and is crystal clear for fully visible fluid flow and excellent appearance.

Suggested operating temperatures, depending upon conditions, are -40°F (-26°C) to +150°F (+65°C).

### Fitting Recommendations:

- Tubing sizes 42, 43, 53, 64, 86 and 108 are made for use with Parker Fast & Tite® tube fittings. A tube support should be used with this tubing for maximum fitting holding power.
- Par-Barb insert barbed type fittings may be used with all sizes of Parflex clear vinyl tubing.
- Parker Brass Fittings are available from  
Brass Products Division  
Otsego, Michigan  
Phone (616) 694-9411.

### How to order tubing:



| Crystal Clear Part Number | O.D.   | I.D.  | Avg. Wall Thick. | Made from Virgin PVC Resins  |                            | Weight Per 100 ft. (lbs.) |
|---------------------------|--------|-------|------------------|------------------------------|----------------------------|---------------------------|
|                           |        |       |                  | Working Pressure at 73°F psi | Standard Coil Length - ft. |                           |
| #                         |        |       |                  |                              |                            |                           |
| PV21-1                    | 1/8    | 1/16  | 1/32             | 35                           | 100                        | 0.48                      |
| PV32-1                    | .170   | 1/8   | .025             | 35                           | 100                        | 0.58                      |
| PV42-1                    | 1/4    | 1/8   | 1/16             | 65                           | 100                        | 2.52                      |
| PV43-1                    | 1/4    | .170  | .040             | 55                           | 100                        | 1.35                      |
| PV403-1                   | 1/4    | 3/16  | 1/32             | 22                           | 100                        | 1.11                      |
| PV53-1                    | 5/16   | 3/16  | 1/16             | 55                           | 100                        | 2.51                      |
| PV63-1                    | 3/8    | 3/16  | 3/32             | 65                           | 100                        | 4.26                      |
| PV73-1                    | 7/16   | 3/16  | 1/8              | 75                           | 100                        | 6.28                      |
| PV54-1                    | 5/16   | 1/4   | 1/32             | 20                           | 100                        | 1.42                      |
| PV64-1                    | 3/8    | 1/4   | 1/16             | 55                           | 100                        | 3.15                      |
| PV74-1                    | 7/16   | 1/4   | 3/32             | 60                           | 100                        | 5.18                      |
| PV84-1                    | 1/2    | 1/4   | 1/8              | 70                           | 100                        | 7.55                      |
| PV75-1                    | 7/16   | 5/16  | 1/16             | 50                           | 100                        | 3.7                       |
| PV85-1                    | 1/2    | 5/16  | 3/32             | 60                           | 100                        | 6.15                      |
| PV95-1                    | 9/16   | 5/16  | 1/8              | 70                           | 100                        | 8.80                      |
| PV86-1                    | 1/2    | 3/8   | 1/16             | 45                           | 100                        | 4.41                      |
| PV96-1                    | 9/16   | 3/8   | 3/32             | 50                           | 100                        | 7.06                      |
| PV106-1                   | 5/8    | 3/8   | 1/8              | 60                           | 100                        | 10.07                     |
| PV97-1                    | 9/16   | 7/16  | 1/16             | 40                           | 100                        | 5.03                      |
| PV107-1                   | 5/8    | 7/16  | 3/32             | 45                           | 100                        | 8.04                      |
| PV117-1                   | 11/16  | 7/16  | 1/8              | 50                           | 100                        | 11.49                     |
| PV108-1                   | 5/8    | 1/2   | 1/16             | 30                           | 100                        | 5.66                      |
| PV118-1                   | 11/16  | 1/2   | 3/32             | 40                           | 100                        | 8.94                      |
| PV128-1                   | 3/4    | 1/2   | 1/8              | 45                           | 100                        | 12.59                     |
| PV138-1                   | 13/16  | 1/2   | 5/32             | 60                           | 100                        | 16.70                     |
| PV129-1                   | 3/4    | 9/16  | 3/32             | 40                           | 100                        | 9.94                      |
| PV139-1                   | 13/16  | 9/16  | 1/8              | 45                           | 100                        | 13.84                     |
| PV1310-1                  | 13/16  | 5/8   | 3/32             | 35                           | 100                        | 10.82                     |
| PV1410-1                  | 7/8    | 5/8   | 1/8              | 40                           | 100                        | 15.11                     |
| PV1510-1                  | 15/16  | 5/8   | 5/32             | 50                           | 100                        | 19.63                     |
| PV1411-1                  | 7/8    | 11/16 | 3/32             | 30                           | 100                        | 11.83                     |
| PV1611-1                  | 1      | 11/16 | 5/32             | 45                           | 100                        | 21.27                     |
| PV1612-1                  | 1      | 3/4   | 1/8              | 35                           | 100                        | 17.62                     |
| PV1712-1                  | 1-1/16 | 3/4   | 5/32             | 35                           | 50                         | 22.77                     |
| PV1812-1                  | 1-1/8  | 3/4   | 3/16             | 50                           | 50                         | 28.32                     |
| PV2012-1                  | 1-1/4  | 3/4   | 1/4              | 55                           | 50                         | 40.28                     |
| PV1814-1                  | 1-1/8  | 7/8   | 1/8              | 30                           | 50                         | 20.14                     |
| PV1914-1                  | 1-3/16 | 7/8   | 5/32             | 35                           | 50                         | 25.91                     |
| PV2014-1                  | 1-1/4  | 7/8   | 3/16             | 45                           | 50                         | 32.10                     |
| PV2016-1                  | 1-1/4  | 1     | 1/8              | 25                           | 50                         | 22.66                     |
| PV2116-1                  | 1-5/16 | 1     | 5/32             | 30                           | 50                         | 29.06                     |
| PV2216-1                  | 1-3/8  | 1     | 3/16             | 40                           | 50                         | 35.87                     |
| PV2416-1                  | 1-1/2  | 1     | 1/4              | 45                           | 50                         | 50.35                     |
| PV2218-1                  | 1-3/8  | 1-1/8 | 1/8              | 25                           | 50                         | 25.18                     |
| PV2420-1                  | 1-1/2  | 1-1/4 | 1/8              | 20                           | 50                         | 27.69                     |
| PV2620-1                  | 1-5/8  | 1-1/4 | 3/16             | 35                           | 50                         | 43.43                     |
| PV2820-1                  | 1-3/4  | 1-1/4 | 1/4              | 45                           | 50                         | 60.42                     |
| PV3024-1                  | 1-7/8  | 1-1/2 | 3/16             | 30                           | 50                         | 50.98                     |
| PV3224-1                  | 2      | 1-1/2 | 1/4              | 40                           | 50                         | 70.49                     |
| PV3628-1                  | 2-1/4  | 1-3/4 | 1/4              | 30                           | 50                         | 80.56                     |
| PV4032-1                  | 2-1/2  | 2     | 1/4              | 35                           | 50                         | 90.63                     |

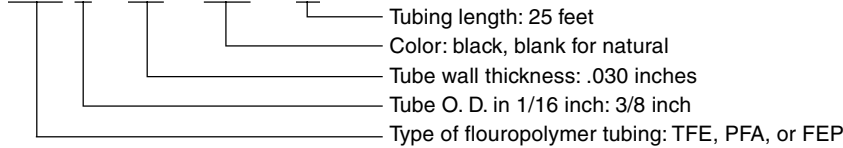




# Fluoropolymer TFE

How to order Parflex fluoropolymer tubing:

TFE 6 - 030 - BLK - 025



## TFE Tubing

- Broad temperature range
- Chemical resistant
- Flexible
- Corrosion resistant

Parflex TFE tubing may be used at extreme high and low temperatures. Like all Fluoropolymer tubing, TFE tubing is compatible with virtually any media and is UV resistant by nature. TFE has a translucent milky white appearance and is FDA approved (natural only). TFE is standard in natural. Other colors are available as non-standards. Black tubing is not conductive and should not be used in static dissipative applications.

Suggested operating temperatures are -110°F (-79°C) to +500°F (260°C).

### Fitting Recommendations:

- Parker TrueSeal™ Fittings
- Parker Fast & Tite® Fittings
- Parker Brass Fittings available from  
Brass Products Division  
Otsego, Michigan  
Phone (616) 694-9411

| Part Number            | Color   | Nom. Tube O. D. | Nom. Tube I. D. | Avg. Wall Thick. | Coil Length ft. | Min. Burst Pressure at 73°F psi | Working Pressure at 73°F psi | Min. Bend Radius in. | Weight lbs. Per 100 ft. |
|------------------------|---------|-----------------|-----------------|------------------|-----------------|---------------------------------|------------------------------|----------------------|-------------------------|
| #                      |         |                 |                 |                  |                 |                                 |                              |                      |                         |
| TFE1-016-025,050       | Natural | 1/16            | 1/32            | .016             | 25, 50          | 2200                            | 440                          | 1                    | .21                     |
| TFE2-030-025,050,100   | Natural | 1/8             | 1/16            | .030             | 25, 50,100      | 1900                            | 380                          | 1/2                  | .86                     |
| TFE4-030-025, 050, 100 | Natural | 1/4             | 3/16            | .030             | 25, 50, 100     | 650                             | 130                          | 1                    | 2.00                    |
| TFE6-030-025, 050, 100 | Natural | 3/8             | 5/16            | .030             | 25, 50, 100     | 400                             | 80                           | 2-1/2                | 3.14                    |
| TFE8-030-025, 050, 100 | Natural | 1/2             | 7/16            | .030             | 25, 50, 100     | 300                             | 60                           | 4                    | 4.28                    |
| TFE10-030-025, 050     | Natural | 5/8             | 9/16            | .030             | 25, 50          | 200                             | 40                           | 5-1/2                | 5.42                    |
| TFE12-032-025, 050     | Natural | 3/4             | 11/16           | .032             | 25, 50          | 200                             | 40                           | 8                    | 6.56                    |
| TFE3-062-025, 050, 100 | Natural | 3/16            | 1/16            | .062             | 25, 50,100      | 4300                            | 860                          | 1/2                  | 2.28                    |
| TFE4-062-025, 050, 100 | Natural | 1/4             | 1/8             | .062             | 25, 50, 100     | 2100                            | 420                          | 1/2                  | 3.42                    |
| TFE6-062-025, 050, 100 | Natural | 3/8             | 1/4             | .062             | 25, 50, 100     | 900                             | 180                          | 1                    | 5.71                    |
| TFE8-062-025, 050, 100 | Natural | 1/2             | 3/8             | .062             | 25, 50, 100     | 700                             | 140                          | 2                    | 7.99                    |
| TFE10-062-025, 050     | Natural | 5/8             | 1/2             | .062             | 25, 50          | 500                             | 100                          | 3                    | 10.27                   |
| TFE12-062-025, 050     | Natural | 3/4             | 5/8             | .062             | 25, 50          | 400                             | 80                           | 6                    | 12.56                   |





# Fluoropolymer FEP FEP Tubing

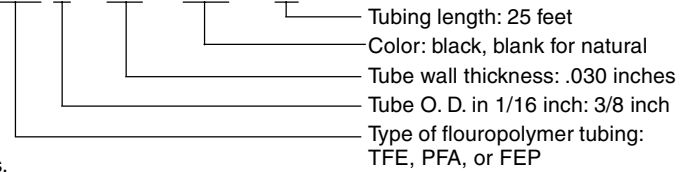
- Broad temperature range
- Chemical resistant
- Flexible
- Corrosion resistant

Parflex FEP tubing may be used at extreme high and low temperatures and is UV resistant by nature. FEP tubing is compatible with virtually any media and is available in very long continuous lengths. FEP tubing has an almost clear appearance and is FDA approved (natural only). FEP is standard in natural. Other colors are available as non-standards. Black tube is not conductive and should not be used in static dissipative applications.

Suggested operating temperatures are -110°F (-79°C) to +400°F (204°C).

**How to order Parflex fluoropolymer tubing:**

FEP 6 - 030 - BLK - 025



**Fitting Recommendations:**

- Parker TrueSeal™ fittings
- Parker Fast & Tite® fittings
- Parker Brass Fittings available from: Brass Products Division  
Otsego, Michigan  
Phone: (616) 694-9411

| Part Number             | Color   | Nom. Tube O. D. in. | Nom. Tube I. D. in. | Avg. Wall Thick. in. | Coil Length ft. | Min. Burst Pressure at 73°F psi | Working Pressure at 73°F psi | Min. Bend Radius in. | Weight lbs. Per 100 ft. |
|-------------------------|---------|---------------------|---------------------|----------------------|-----------------|---------------------------------|------------------------------|----------------------|-------------------------|
| #                       |         |                     |                     |                      |                 |                                 |                              |                      |                         |
| FEP2-030-025, 050, 100  | Natural | 1/8                 | 1/16                | .030                 | 25, 50, 100     | 1520                            | 380                          | 1/2                  | .86                     |
| FEP3-030-025, 050, 100  | Natural | 3/16                | 1/8                 | .030                 | 25, 50, 100     | 1000                            | 200                          | 3/4                  | 1.43                    |
| FEP4-030-025, 050, 100  | Natural | 1/4                 | 3/16                | .030                 | 25, 50, 100     | 650                             | 130                          | 1                    | 2.00                    |
| FEP4-040-025, 050, 100  | Natural | 1/4                 | .170                | .040                 | 25, 50, 100     | 900                             | 180                          | 7/8                  | 2.46                    |
| FEP4-047-025, 050, 100  | Natural | 1/4                 | 5/32                | .047                 | 25, 50, 100     | 1250                            | 250                          | 3/4                  | 2.78                    |
| FEP5-030-025, 050, 100  | Natural | 5/16                | 1/4                 | .030                 | 25, 50, 100     | 500                             | 100                          | 1-3/4                | 2.57                    |
| FEP6-030-025, 050, 100  | Natural | 3/8                 | 5/16                | .030                 | 25, 50, 100     | 400                             | 80                           | 2-1/2                | 3.14                    |
| FEP8-030-025, 050, 100  | Natural | 1/2                 | 7/16                | .030                 | 25, 50, 100     | 300                             | 60                           | 4                    | 4.28                    |
| FEP10-030-025, 050, 100 | Natural | 5/8                 | 9/16                | .030                 | 25, 50, 100     | 200                             | 40                           | 5-1/2                | 5.42                    |
| FEP12-032-025, 050, 100 | Natural | 3/4                 | 11/16               | .032                 | 25, 50, 100     | 200                             | 40                           | 8                    | 6.56                    |
| FEP3-062-025, 050, 100  | Natural | 3/16                | 1/16                | .062                 | 25, 50, 100     | 4300                            | 860                          | 1/2                  | 2.28                    |
| FEP4-062-025, 050, 100  | Natural | 1/4                 | 1/8                 | .062                 | 25, 50, 100     | 2100                            | 420                          | 1/2                  | 3.42                    |
| FEP6-062-025, 050, 100  | Natural | 3/8                 | 1/4                 | .062                 | 25, 50, 100     | 900                             | 180                          | 1                    | 5.71                    |
| FEP8-062-025, 050, 100  | Natural | 1/2                 | 3/8                 | .062                 | 25, 50, 100     | 700                             | 140                          | 2                    | 7.99                    |
| FEP10-062-025, 050, 100 | Natural | 5/8                 | 1/2                 | .062                 | 25, 50, 100     | 500                             | 100                          | 3                    | 10.27                   |



# Fluoropolymer PFA

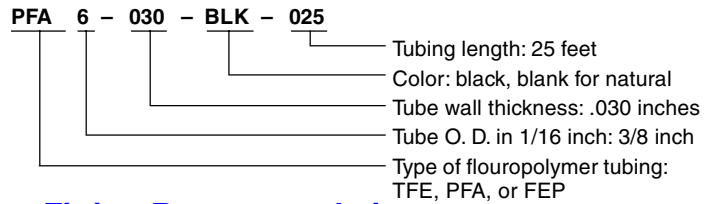
## PFA Tubing

- Broad temperature range
- Chemical resistant
- Flexible
- Corrosion resistant
- Low level of extractables

Parflex PFA has the broadest temperature range of all Parflex tubing. PFA tubing is compatible with virtually any media and is UV resistant by nature. PFA tubing has the lowest level of extractables among all Parflex tubing for highly sensitive contaminant applications. PFA tubing is very flexible and is available in very long continuous lengths. PFA is standard in natural. Other colors available as non-standards. Black tubing is not conductive and should not be used in static dissipative applications.

Suggested operating temperatures are -110°F (-79°C) to +500°F (260°C).

### How to order Parflex fluoropolymer tubing:



### Fitting Recommendations:

- Parker TrueSeal™ fittings
- Parker Fast & Tite® fittings
- Parker Brass Fittings available from: Brass Products Division, Otsego, Michigan, Phone: (616) 694-9411



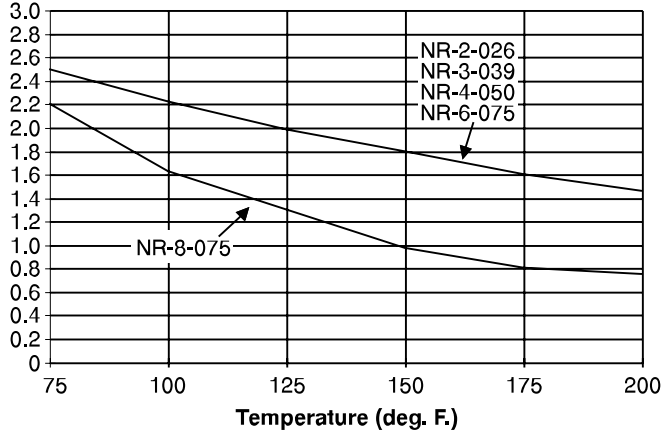
| Part Number             | Color   | Nom. Tube O. D. | Nom. Tube I. D. | Avg. Wall Thick. | Coil Length ft. | Min. Burst Pressure at 73°F psi | Working Pressure at 73°F psi | Min. Bend Radius in. | Weight lbs. Per 100 ft. |
|-------------------------|---------|-----------------|-----------------|------------------|-----------------|---------------------------------|------------------------------|----------------------|-------------------------|
| #                       |         |                 |                 |                  |                 |                                 |                              |                      |                         |
| PFA2-030-025, 050, 100  | Natural | 1/8             | 1/16            | .030             | 25, 50, 100     | 1520                            | 380                          | 1/2                  | .86                     |
| PFA3-030-025, 050, 100  | Natural | 3/16            | 1/8             | .030             | 25, 50, 100     | 1000                            | 200                          | 3/4                  | 1.43                    |
| PFA4-030-025, 050, 100  | Natural | 1/4             | 3/16            | .030             | 25, 50, 100     | 650                             | 130                          | 1                    | 2.00                    |
| PFA4-040-025, 050, 100  | Natural | 1/4             | .170            | .040             | 25, 50, 100     | 900                             | 180                          | 7/8                  | 2.46                    |
| PFA4-047-025, 050, 100  | Natural | 1/4             | 5/32            | .047             | 25, 50, 100     | 1250                            | 250                          | 3/4                  | 2.78                    |
| PFA5-030-025, 050, 100  | Natural | 5/16            | 1/4             | .030             | 25, 50, 100     | 500                             | 100                          | 1-3/4                | 2.57                    |
| PFA6-030-025, 050, 100  | Natural | 3/8             | 5/16            | .030             | 25, 50, 100     | 400                             | 80                           | 2-1/2                | 3.03                    |
| PFA8-030-025, 050, 100  | Natural | 1/2             | 7/16            | .030             | 25, 50, 100     | 300                             | 60                           | 4                    | 4.28                    |
| PFA10-030-025, 050, 100 | Natural | 5/8             | 9/16            | .030             | 25, 50, 100     | 200                             | 40                           | 5-1/2                | 5.42                    |
| PFA12-032-025, 050, 100 | Natural | 3/4             | 11/16           | .032             | 25, 50, 100     | 200                             | 40                           | 8                    | 6.56                    |
| PFA3-062-025, 050, 100  | Natural | 3/16            | 1/16            | .062             | 25, 50, 100     | 4300                            | 860                          | 1/2                  | 2.28                    |
| PFA4-062-025, 050, 100  | Natural | 1/4             | 1/8             | .062             | 25, 50, 100     | 2100                            | 420                          | 1/2                  | 3.42                    |
| PFA6-062-025, 050, 100  | Natural | 3/8             | 1/4             | .062             | 25, 50, 100     | 900                             | 180                          | 1                    | 5.71                    |
| PFA8-062-025, 050, 100  | Natural | 1/2             | 3/8             | .062             | 25, 50, 100     | 700                             | 140                          | 2                    | 7.99                    |
| PFA10-062-025, 050, 100 | Natural | 5/8             | 1/2             | .062             | 25, 50, 100     | 500                             | 100                          | 3                    | 10.27                   |
| PFA12-062-025, 050, 100 | Natural | 3/4             | 5/8             | .062             | 25, 50, 100     | 400                             | 80                           | 6                    | 12.56                   |
| PFA16-062-025, 050, 100 | Natural | 1               | 7/8             | .062             | 25, 50, 100     | 300                             | 60                           | 12                   | 17.12                   |



### Nylon Semi-Rigid Tubing

NR Series (NNR, NBR)  
1/8 through 1/2 O. D. inches

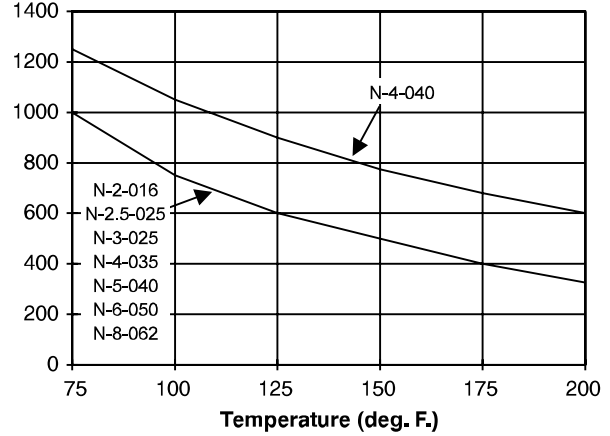
Minimum  
Burst  
Pressure  
(psig)  
(Thousands)



### Nylon Flexible Tubing

N Series (NN, NB)  
1/8 through 1/2 O. D. inches

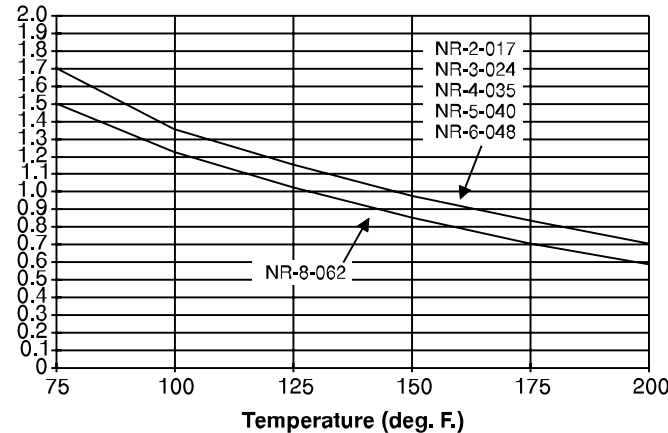
Minimum  
Burst  
Pressure  
(psig)



### Nylon Semi-Rigid Tubing

NR Series (NNR, NBR)  
1/8 through 1/2 O. D. inches

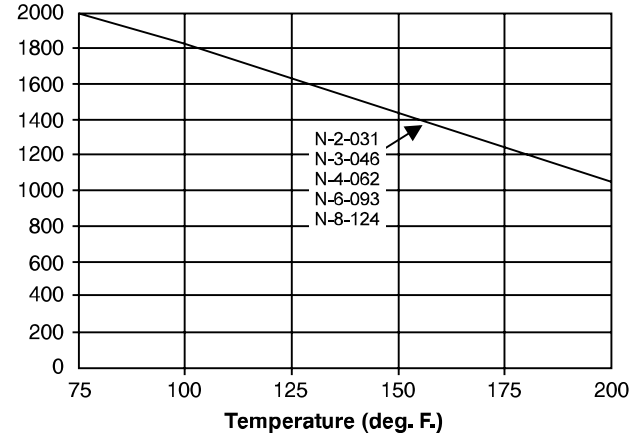
Minimum  
Burst  
Pressure  
(psig)  
(Thousands)



### Nylon Flexible Tubing

N Series  
1/8 through 1/2 O. D. inches

Minimum  
Burst  
Pressure  
(psig)



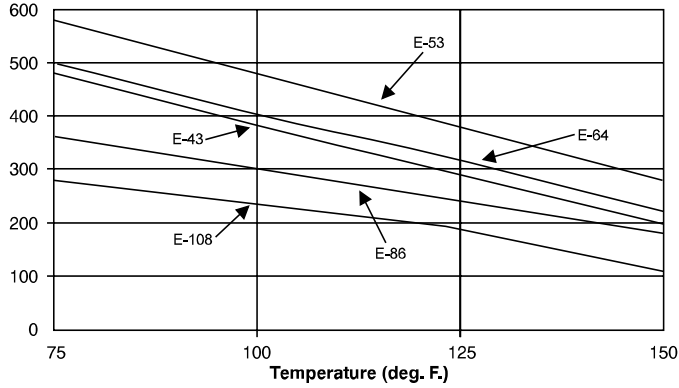
Suggested working pressure is 1/4 of burst pressure at system operating temperature.



**Polyethylene Tubing**

Laboratory Grade E Series  
1/4 through 5/8 O. D. inches

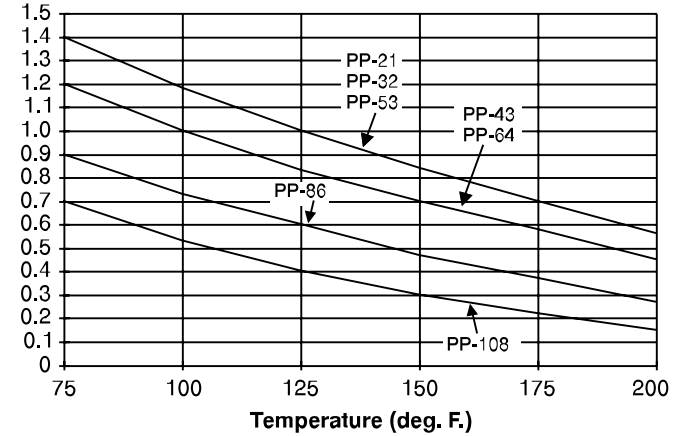
Minimum  
Burst  
Pressure  
(psig)



**Polypropylene Tubing**

PP Series  
1/8 through 5/8 O. D. inches

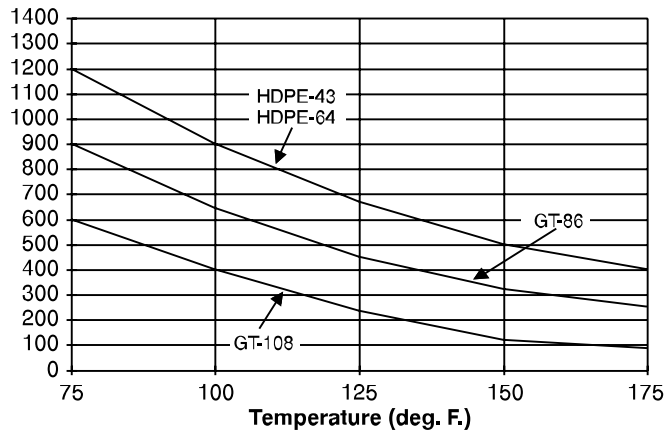
Minimum  
Burst  
Pressure  
(psig)  
(Thousands)



**Polyethylene Tubing**

High Density HDPE Series  
1/4 through 5/8 O. D. inches

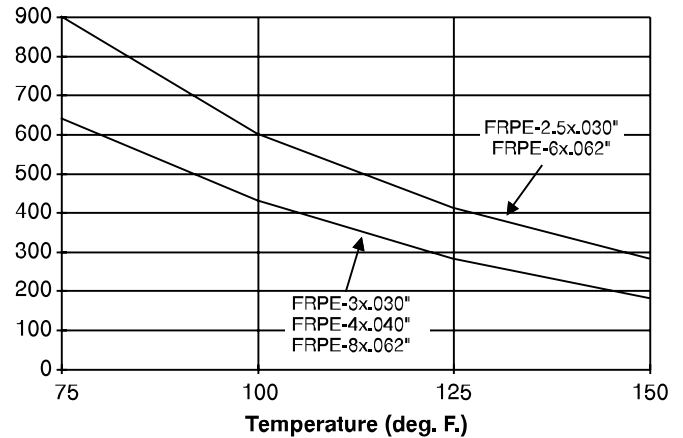
Minimum  
Burst  
Pressure  
(psig)



**Polyethylene Tubing**

Flame Resistant FRPE Series  
5/32 through 1/2 O. D. inches

Minimum  
Burst  
Pressure  
(psig)



Suggested working pressures of nylon, polypropylene and polyethylene are 1/4 of burst pressure at system operating temperature. Suggested working pressure of polyurethane is 1/3 of burst pressure at system operating temperature.

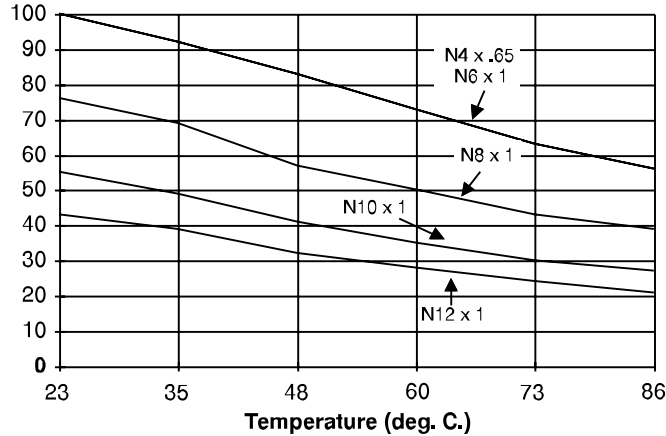




**Metric Nylon Tubing**

N Series  
4 millimeters through 12 millimeters O. D.

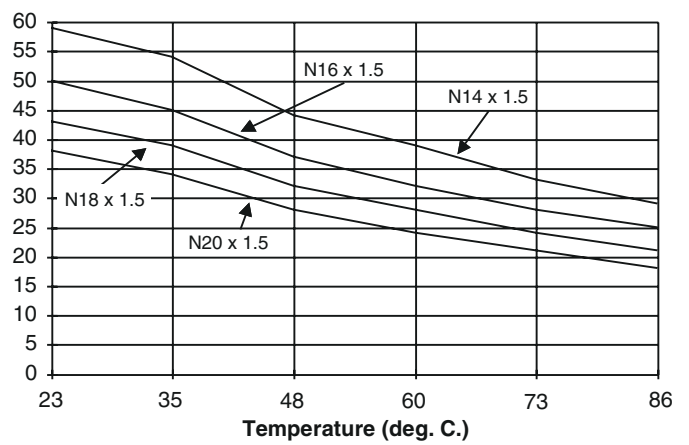
Minimum  
Burst  
Pressure (bar)



**Metric Nylon Tubing**

N Series  
14 millimeters through 20 millimeters O. D.

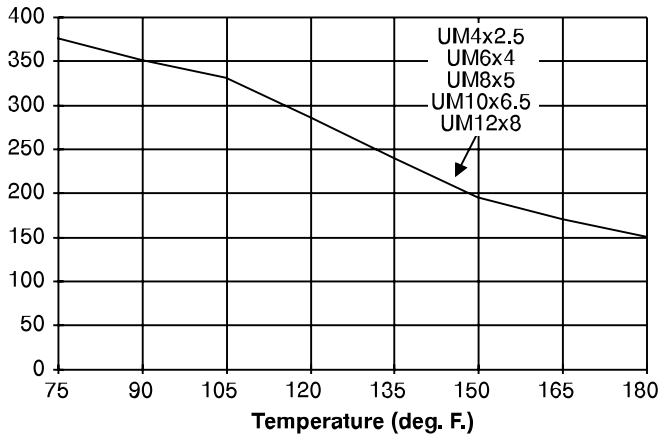
Minimum  
Burst  
Pressure (bar)



**Metric Polyurethane Tubing**

UM Series Polyether Base  
4 through 12 O. D. millimeters

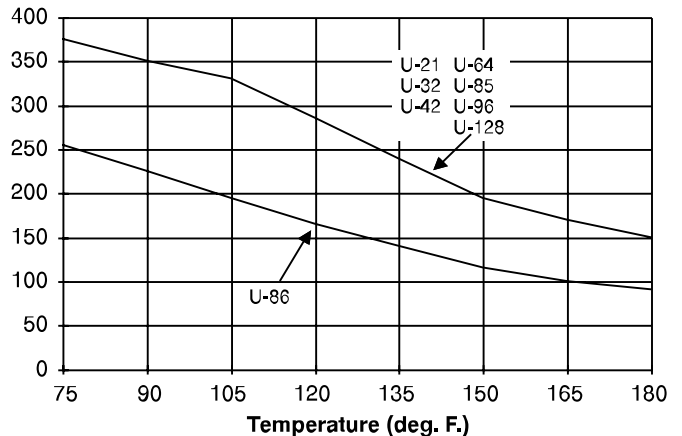
Minimum  
Burst  
Pressure  
(psig)



**Polyurethane Tubing**

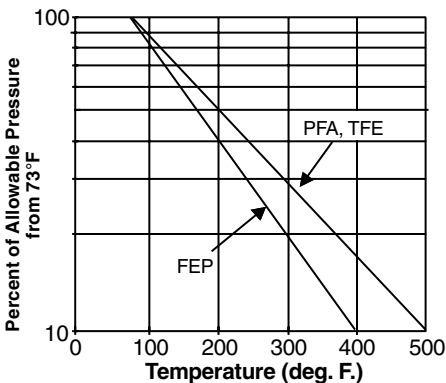
U Series Polyether Base  
1/8 through 3/4 O. D. inches

Minimum  
Burst  
Pressure  
(psig)



**Fluoropolymer Tubing**

(TFE, PFA, FEP)





# 1038 - Redline, Blueline, Greenline, Whiteline Beverage Hose

## Compact O. D. For Tight Routing

Parflex True Taste® 1038 Red-Line beverage hose is engineered to meet the most stringent industry requirements. True Taste 1038 beverage hose is an excellent choice for use in plumbing beverage dispensing systems or running single syrup lines from central storage locations. For ease of installation, True Taste® 1038 beverage hose has exceptional flexibility for routing in tight working areas.

1038 is constructed from FDA approved- and NSF-listed materials. True Taste® 1038 contains a polymer core, ProtectAll™ film barrier, spiral reinforcement, and a polymer jacket to provide you maximum beverage taste protection.

## Performance Parameters of True Taste® Beverage Hose



| Part Number | Nom. I. D. in. | Nom. O. D. in. | Max. Working Pressure psi | Min. Burst Pressure psi | Min. Bend Radius in. | Weight lbs./ft. |
|-------------|----------------|----------------|---------------------------|-------------------------|----------------------|-----------------|
| #           |                |                |                           |                         |                      |                 |
| 1038-4-RED  | 0.265          | 0.460          | 375                       | 1500                    | 1.75                 | .043            |
| 1038-4-BLU  | 0.265          | 0.46           | 375                       | 1500                    | 1.75                 | .043            |
| 1038-4-GRN  | 0.265          | 0.460          | 375                       | 1500                    | 1.75                 | .043            |
| 1038-4-WHT  | 0.265          | 0.460          | 375                       | 1500                    | 1.75                 | .043            |
| 1038-6-RED  | 0.375          | 0.548          | 300                       | 1200                    | 2.75                 | .069            |
| 1038-6-BLU  | 0.375          | 0.548          | 300                       | 1200                    | 2.75                 | .069            |
| 1038-6-GRN  | 0.375          | 0.548          | 300                       | 1200                    | 2.75                 | .069            |
| 1038-6-WHT  | 0.375          | 0.548          | 300                       | 1200                    | 2.75                 | .069            |
| 1038-8-RED  | 0.510          | 0.746          | 200                       | 800                     | 3.25                 | .091            |
| 1038-8-BLU  | 0.510          | 0.746          | 200                       | 800                     | 3.25                 | .091            |
| 1038-8-GRN  | 0.510          | 0.746          | 200                       | 800                     | 3.25                 | .091            |
| 1038-8-WHT  | 0.510          | 0.746          | 200                       | 800                     | 3.25                 | .091            |

# 1038A - Redline, Blueline, Greenline, Whiteline Beverage Hose

## Thick Cover For Additional Abrasion Resistance

| Part Number | Nom. I. D. in. | Nom. O. D. in. | Max. Working Pressure psi | Min. Burst Pressure psi | Min. Bend Radius in. | Weight lbs./ft. |
|-------------|----------------|----------------|---------------------------|-------------------------|----------------------|-----------------|
| #           |                |                |                           |                         |                      |                 |
| 1038A-4-RED | 0.265          | 0.517          | 375                       | 1500                    | 1.75                 | .059            |
| 1038A-4-BLU | 0.265          | 0.517          | 375                       | 1500                    | 1.75                 | .059            |
| 1038A-4-GRN | 0.265          | 0.517          | 375                       | 1500                    | 1.75                 | .059            |
| 1038A-4-WHT | 0.265          | 0.517          | 375                       | 1500                    | 1.75                 | .059            |
| 1038A-6-RED | 0.375          | 0.637          | 300                       | 1200                    | 2.75                 | .082            |
| 1038A-6-BLU | 0.375          | 0.637          | 300                       | 1200                    | 2.75                 | .082            |
| 1038A-6-GRN | 0.375          | 0.637          | 300                       | 1200                    | 2.75                 | .082            |
| 1038A-6-WHT | 0.375          | 0.637          | 300                       | 1200                    | 2.75                 | .082            |



## 1041 - Red, Blue, Green or White Liteline Beverage Hose Compact O. D. For Tight Routing

For single-line applications which do not require the additional protection of a Parflex ProtectAll™ film barrier, Parflex offers True Taste® Lite-Line beverage hose. Lite-Line 1041 has the same construction as Parflex's True Taste 1038, except for the ProtectAll film barrier. True Taste Lite-Line beverage hose is the economical solution when rugged and flexible beverage hose is needed.



| Part Number | Nom. I. D. in. | Nom. O. D. in. | Max. Working Pressure psi | Min. Burst Pressure psi | Min. Bend Radius in. | Weight lbs./ft. |
|-------------|----------------|----------------|---------------------------|-------------------------|----------------------|-----------------|
| #           |                |                |                           |                         |                      |                 |
| 1041-4-RED  | 0.265          | 0.46           | 375                       | 1500                    | 1.75                 | .043            |
| 1041-4-BLU  | 0.265          | 0.46           | 375                       | 1500                    | 1.75                 | .043            |
| 1041-4-GRN  | 0.265          | 0.46           | 375                       | 1500                    | 1.75                 | .043            |
| 1041-4-WHT  | 0.265          | 0.46           | 375                       | 1500                    | 1.75                 | .043            |
| 1041-6-RED  | 0.375          | 0.548          | 300                       | 1200                    | 2.75                 | .069            |
| 1041-6-BLU  | 0.375          | 0.548          | 300                       | 1200                    | 2.75                 | .069            |
| 1041-6-GRN  | 0.375          | 0.548          | 300                       | 1200                    | 2.75                 | .069            |
| 1041-6-WHT  | 0.375          | 0.548          | 300                       | 1200                    | 2.75                 | .069            |

## 1041A - Red, Blue, Green or White Liteline Beverage Hose Thick Cover For Additional Abrasion Resistance

| Part Number | Nom. I. D. in. | Nom. O. D. in. | Max. Working Pressure psi | Min. Burst Pressure psi | Min. Bend Radius in. | Weight lbs./ft. |
|-------------|----------------|----------------|---------------------------|-------------------------|----------------------|-----------------|
| #           |                |                |                           |                         |                      |                 |
| 1041A-4-RED | 0.265          | 0.517          | 375                       | 1500                    | 1.75                 | .059            |
| 1041A-4-BLU | 0.265          | 0.517          | 375                       | 1500                    | 1.75                 | .059            |
| 1041A-4-GRN | 0.265          | 0.517          | 375                       | 1500                    | 1.75                 | .059            |
| 1041A-4-WHT | 0.265          | 0.517          | 375                       | 1500                    | 1.75                 | .059            |
| 1041A-6-RED | 0.375          | 0.637          | 300                       | 1200                    | 2.75                 | .082            |
| 1041A-6-BLU | 0.375          | 0.637          | 300                       | 1200                    | 2.75                 | .082            |
| 1041A-6-GRN | 0.375          | 0.637          | 300                       | 1200                    | 2.75                 | .082            |
| 1041A-6-WHT | 0.375          | 0.637          | 300                       | 1200                    | 2.75                 | .082            |

**All True Taste® Beverage Hose Is:**

- NSF Standard 51 listed.
- Manufactured from FDA approved materials.
- Rated for -10°F to + 150°F.
- Packaged in Coils.

| Size | Feet | Feet |
|------|------|------|
| -4   | 100  | 500  |
| -6   | 100  | 300  |
| -8   | 100  | 250  |

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