

Polyethylene Tubing

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



Features

- Made from 100% virgin resin material
- Chemically resistant and flexible
- High molecular weight resin provides increased dimensional stability, uniformity and long-term strength
- Economical system solution

Certifications

- FDA compliant for food contact
- ASTM D-1693 (10% IGEPAL) for stress crack resistance
- NSF - 51
- NSF - 61

Applications/Markets



- Potable water
- Chemical transfer
- Low-pressure pneumatics



| Part Number | Part Number | Tube O.D. | | Tube I.D. | | Average Wall Thickness | | Working Pressure at 73°F / 23°C | | Minimum Burst at 73°F / 23°C | | Package Quantity | Minimum Bend Radius | | Weight | |
|-------------|-------------|-----------|------|-----------|------|------------------------|---|---------------------------------|------|------------------------------|------|------------------|---------------------|-------|----------|----------|
| | | inch | mm | inch | mm | inch | mm | psi | bar | psi | bar | | feet | inch | mm | lbs./ft. |
| # | # | | | | | | Package quantities vary by size and color | | | | | | | | | |
| Natural | Black | inch | mm | inch | mm | inch | mm | psi | bar | psi | bar | feet | inch | mm | lbs./ft. | kg./mtr. |
| E-43-XXXX | EB-43-XXXX | 1/4 | 6.4 | .170 | 4.3 | .040 | 1.0 | 120 | 8.3 | 480 | 33.1 | 0100, 0500, 1000 | 1.00 | 25.4 | .011 | .016 |
| E-53-XXXX | EB-53-XXXX | 5/16 | 7.9 | .187 | 4.8 | .062 | 1.6 | 145 | 10.0 | 580 | 40.0 | 0100, 0500 | 1.13 | 28.7 | .020 | .030 |
| E-64-XXXX | EB-64-XXXX | 3/8 | 9.5 | .250 | 6.4 | .062 | 1.6 | 125 | 8.6 | 500 | 34.5 | 0100, 0500 | 1.25 | 31.8 | .025 | .037 |
| E-86-XXXX | EB-86-XXXX | 1/2 | 12.7 | .375 | 9.5 | .062 | 1.6 | 90 | 6.2 | 360 | 24.8 | 0100, 0500 | 2.50 | 63.5 | .034 | .051 |
| E-108-XXXX | EB-108-XXXX | 5/8 | 15.9 | .500 | 12.7 | .062 | 1.6 | 70 | 4.8 | 280 | 19.3 | 0100 | 4.00 | 101.6 | .044 | .065 |

Standard black is not NSF approved.



For detailed ordering information, please consult price list or contact Parflex® Division.

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd

Order Information

Example: E-64-Y-0500

E-64-Y-0500 – Polyethylene

E-64-Y-0500 – **Tube O.D.** in sixteenths of an inch (**3/8"**)

E-64-Y-0500 – **Tube I.D.** in sixteenths of an inch (**.250"**)

E-64-Y-0500 – **Color**, i.e. **Yellow** (Omit for Natural and Black)

E-64-0500 – Natural Polyethylene

EB-64-0500 – Black Polyethylene

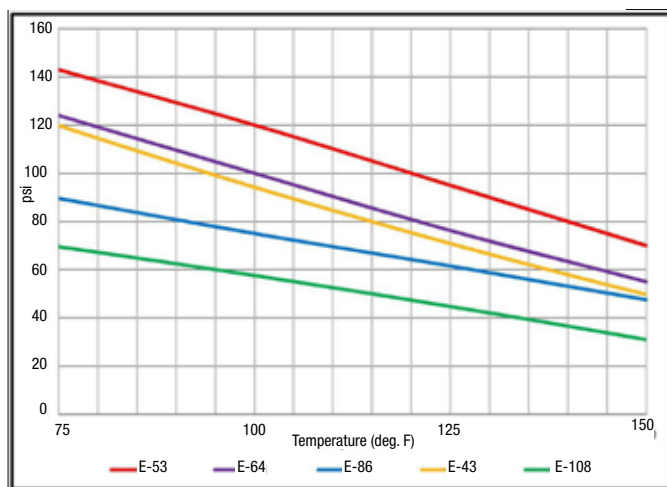
E-64-Y-0500 – **Package Quantity** in feet (**500'**)

Available in black as well as nine other colors, as recommended by the Instrument Society of America

| Color Code | | |
|------------|-----|---------|
| ● | - | Natural |
| ● | - | Black |
| ● | B | Blue |
| ● | G | Green |
| ● | O | Orange |
| ● | P | Purple |
| ● | R | Red |
| ● | GRA | Gray |
| ● | Y | Yellow |
| ○ | WHT | White |

Polyethylene Tubing (Series E)

Maximum Working Pressure (psig)



Fittings

Parker fittings available from:
Fluid System Connectors Division
Otsego, MI
(269) 692-6555
(269) 694-4614 FAX

FSC Product Families:

- Compression
- Compress-Align®
- Poly-Tite
- Hi-Duty
- Fast & Tite
- Flow Control
- Prestolok Brass
- Prestolok Composite
- Liquifit
- TrueSeal™
- Dubl-Barb®
- Prestomatic
- SAE Cartridge

A tube support should be used with this tubing for maximum holding power where end loading, vibration or pressure spikes may occur. Reference Tubing/Fitting Compatibility Chart (pg. B-6)

Notes

- FDA, NSF-51 and NSF-61 compliant black polyethylene tubing is also available. Add -NSF suffix to the EB part number (ie. EB-64-0500-NSF)
- E series natural and colored tubing meet FDA, NSF-51 requirements for food contact applications and NSF-61 for potable water
- Resistant to environmental stress cracking exceeding that of ordinary polyethylene tubing as measured by ASTM D-1693 (10% IGEPAL)
- Black (EB) tubing contains an ultraviolet inhibitor which is recommended for use in sunlit areas and in close proximity to high ultraviolet light sources
- All tubing conforms to ASTM D-1248, Type I, Class A, Category 4, Grade E5
- The recommended operating temperature range for service at rated pressures with compatible fluids is -80°F to +150°F (-62°C to +66°C)

Colors

- See Color Code Table

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