

Polyethylene Tubing

Series E: Instrument Grade

Series EB: Ultraviolet (UV) resistant

NSF-51, NSF-61 and FDA compliant
for Food and Beverage contact.



Features

- Produced with 100% virgin resin
- Chemically resistant and flexible
- Economic system solution
- Excellent stress crack resistance

Compliance

- FDA, CFR21 Part 177 Compliant for Food Contact
- ASTM D-1693
- NSF – 51
- NSF – 61

Notes

- All tubing conforms to ASTM D-1248, Type 1, Class A, Category 4, Grade E5
- Series E natural and colored tubing meets FDA, NSF-51 requirements for food contact and NSF-61 for potable water
- Series E black (Series EB) tubing suggested for use in sunlit areas and in proximity to high UV light sources
- For FDA and/or NSF compliant black (Series EB) tubing, add -NSF to the EB part number
- Resistant to environmental stress cracking as measured by ASTM D-1693 (10% IGEPAL)
- Suggested operating temperature range is -80°F (-62°C) to 150°F (66°C) - reference Pressure vs. Temperature charts as pressures are lower at elevated temperatures
- Working pressure and burst pressure are at 73°F (23°C)

Fittings

Parker Fittings available from:
Fluid System Connectors Division
Otsego, MI

(269) 692-6555
(269) 692-6634 FAX
parker.com/fsc

For approved fittings and/or suggested use of tube supports,
reference Tube/Fitting Compatibility Chart (pg. B-8/B-9) or
contact Parker Fluid Systems Connectors Division

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 (**1/4"**)

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'**)

Example: EB-6X1-0100

EB-6X1-0100 – Polyethylene

EB-6X1-0100 – Tube O.D. in millimeters (**6**)

EB-6X1-0100 – Wall Thickness in millimeters (**1**) (Nominal I.D. 4mm)

EB-6X1-0100 – Package Quantity in feet (**100'**)



WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

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Series E/EB - PE Fractional Size Tubing - Natural and Colors

Part Number	Nominal O.D.		Nominal I.D.		Average Wall Thickness		Working Pressure 73°F (23°C)		Minimum Burst Pressure		Minimum Bend Radius		Weight		Color
	inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	lbs./ft.	kg/mtr	
E-43-X-0100	1/4	6.4	.170	4.3	.040	1.0	120	8.3	480	33.1	1	25.5	.011	.016	○ ● ● ● ● ● ● ● ● ●
E-43-X-0500															
E-43-X-1000															
EB-43-0100															
EB-43-0500*															
EB-43-0500-NSF															
EB-43-1000															
E-53-X-0500	5/16	7.9	.187	4.8	.062	1.6	145	10	580	40.0	1-1/8	28.5	.020	.030	○ ●
EB-53-0500															
E-64-X-0100	3/8	9.5	.250	6.4	.062	1.6	125	8.6	500	34.5	1-1/4	32.0	.025	.037	○ ● ● ● ● ● ● ● ● ● ●
E-64-X-0500*															
E-64-X-1000															
EB-64-0100															
EB-64-0500															
EB-64-0500-NSF															
E-86-X-0100	1/2	12.7	.375	9.5	.062	1.6	90	6.2	360	24.8	2-1/2	63.5	.034	.051	○ ● ● ●
E-86-X-0500															
EB-86-0100															
EB-86-0500-NSF															
E-108-X-0100	5/8	15.9	.500	12.7	.062	1.6	70	4.8	280	19.3	4	101.5	.044	.065	○ ●
EB-108-0100															

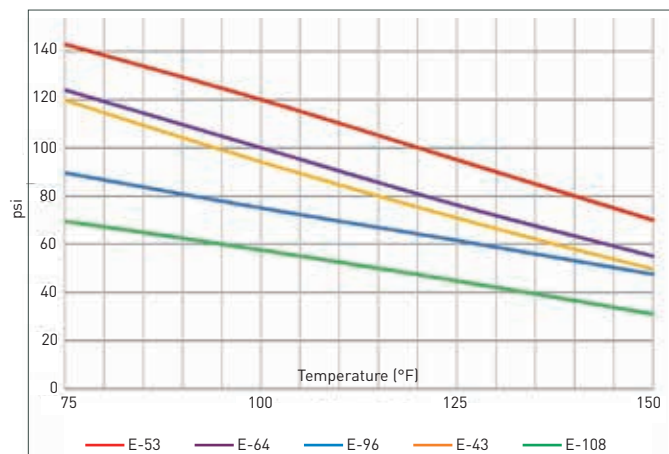
* E-43-X-0500 and E-64-X-0500 tubing available in natural and white (WHT)

Colors

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

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

Polyethylene Tubing (Series E/EB) Maximum Working Pressure (psi)



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Series E/EB - PE Metric Size Tubing - Natural and Colors

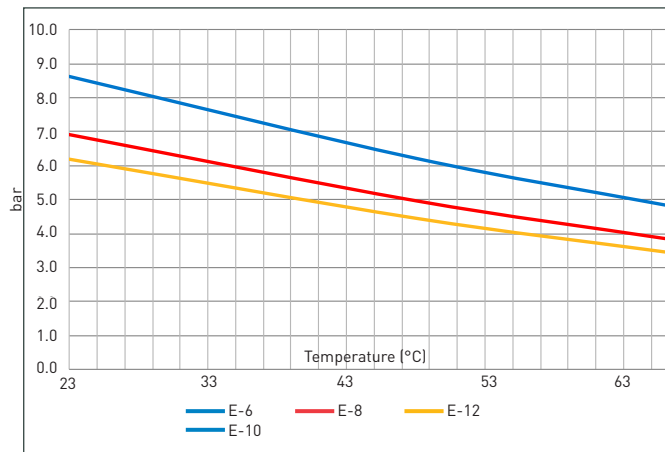
Part Number	Nominal O.D.		Nominal I.D.		Average Wall Thickness		Working Pressure 73°F (23°C)		Minimum Burst Pressure		Minimum Bend Radius		Weight		Color
	mm	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/mtr	lbs./ft.	
E-6X1-0100 EB-6X1-0100	6	.236	4.0	.157	1.00	.039	8.6	125	34.5	500	25.0	1	.019	.013	○ ●
E-8X1-0100 EB-8X1-0100	8	.315	6.0	.236	1.00	.039	6.9	100	27.6	400	38.0	1-1/2	.021	.014	○ ●
E-10X1.5-0100 EB-10X1.5-0100	10	.394	7.0	.276	1.50	.059	8.6	125	34.5	500	38.0	1-1/2	.039	.026	○ ●
E-12X1.5-0100 EB-12X1.5-0100	12	.472	9.0	.354	1.50	.059	6.2	90	24.8	360	63.0	2-1/2	.048	.032	○ ●

Colors

- Metric sizes

Color Code		
○	-	Natural
●	EB	Black

Polyethylene Metric Tubing (Series E/EB) Maximum Working Pressure (bar)



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