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)

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')

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

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.

Polyethylene Tubing

Series E: Instrument Grade

Series EB: Ultraviolet (UV) resistant

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															0		
E-43-X-0500																	
E-43-X-1000																	
EB-43-0100	1/4	6.4	.170	4.3	.040	1.0	120	8.3	480	33.1	1	25.5	.011	.016			
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	3/10	7.7	.107	4.0	.002	1.0	140	10	500	40.0	1 1/0	20.5	.020	.000	•		
E-64-X-0100																	
E-64-X-0500*																	
E-64-X-1000	3/8	9.5	.250	6.4	.062	1.6	125	8.6	500	34.5	1-1/4	32.0	.025	.037			
EB-64-0100																	
EB-64-0500																	
EB-64-0500-NSF																	
E-86-X-0100																	
E-86-X-0500	1 /0	10.7	275	٥٦	.062	1 /	90	/ 0	360	0/0	2-1/2	/O.F	.034	051			
EB-86-0100	1/2	12.7	.375	9.5	.062	1.6	90	6.2	360	24.8	2-1/2	63.5	.034	.051			
EB-86-0500																	
EB-86-0500-NSF E-108-X-0100																	
EB-108-X-0100 EB-108-0100	5/8	15.9	.500	12.7	.062	1.6	70	4.8	280	19.3	4	101.5	.044	.065	•		

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

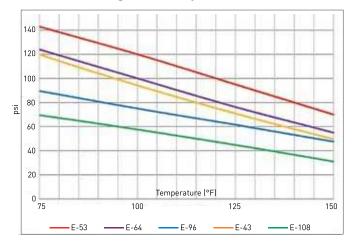
Colors

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

Color Code										
0	-	Natural								
•	EB	Black								
•	В	Blue								
•	G	Green								
•	0	Orange								
•	Р	Purple								
•	R	Red								
•	GRA	Gray								
•	Y	Yellow								
0	WHT	White								

Polyethylene Tubing (Series E/EB)

Maximum Working Pressure (psi)



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Polyethylene Tubing

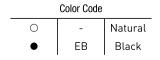
Series E: Instrument Grade Series EB: Ultraviolet (UV) resistant

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	•

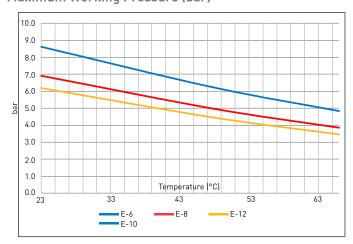
Colors

Metric sizes



Polyethylene Metric Tubing (Series E/EB)

Maximum Working Pressure (bar)



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