

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.

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

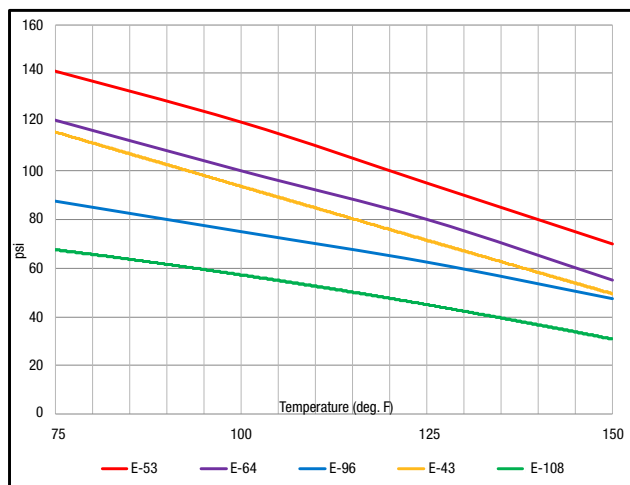
E-64-Y-0500 – Package Quantity in feet (500')

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) 694-2550
(269) 692-6634 FAX

FSC Product Families:

- Compression
- Compress-Align®
- Poly-Tite
- Hi-Duty
- Fast & Tite
- Flow Control
- Prestolok Brass
- Prestolok Composite
- Global Connect
- 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-5)

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 (-62°C) to +150°F (+66°C)

Colors

- See Color Code Table

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

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

