Polyethylene Tubing

Construction & Approvals

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.

Applications

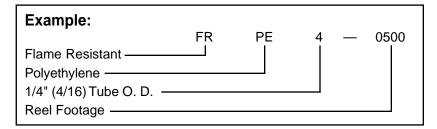
Schrader Bellows series FRPE tubing is the preferred product for pneumatic control applications in the heating-ventilating-air conditioning-energy conservation industry. It is also suitable for use in petrochemical plants, petroleum refineries, pulp and paper mills, mines, steel mills and other industries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

Temperature Range

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

Nomenclature

Order by tubing part number and name.



Flame resistant tubing FRPE

Part No.	Color	O.D.	I.D.	Wall		Working Pressure psi at 73°F	Min. Burst psi at 73°F	Min. Bend Radius Inches	Weight Per 100 Feet
FRPE2.5-0500 FRPE4-0250 FRPE4-0500 FRPE4-1000 FRPE6-0250 FRPE6-0500 FRPE8-0250	Black Black Black Black Black Black Black	5/32 1/4 1/4 1/4 3/8 3/8 1/2	.096 .170 .170 .170 .250 .250	.030 .040 .040 .040 .062 .062	500 250 500 1000 250 500 250	180 130 130 130 180 180 130	900 650 650 650 900 900 650	1/2 3/4 3/4 3/4 1-1/2 1-1/2 1-3/4	.56 1.20 1.20 1.20 2.90 2.90 4.00

Advantages & Construction

Schrader Bellows series HDPE is manufactured from high strength, high density polyethylene. This semi-rigid tubing is inherently resistant to most chemicals, less easily cut or damaged and has a higher burst pressure rating than series "E" tubing.

Applications & Approvals

HDPE tubing is recommended with FT fittings for maximum performance. Material meets NFS std 14 for potable water use.

Temperature Range

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

Nomenclature

Order by tubing part number and name.

High density tubing HDPE

Part No.	Color	O.D.	I.D.	Wall	Reel Length Feet	Pressure psi at 73°F	Min. Burst psi at 73°F	Min. Bend Radius Inches	Per 100 Feet
HDPE-43-0250 HDPE-43-0500 HDPE-64-0250 HDPE-64-0500	Black Black	1/4 1/4 3/8 3/8	.170 .170 .250 .250	.040 .040 .062 .062	250 500 250 500	300 300 300 300	1200 1200 1200 1200	1-1/2 1-1/2 2-1/2 2-1/2	1.1 1.1 2.5 2.5