

FLAME RESISTANT POLYETHYLENE TUBING

FEATURES

- Operating temperature range: -60 °C to 80 °C.
- Working pressure: see tables (recommended working factor: 4-1).
- Good chemical compatibility.
- Self-extinguishing.
- Complies with standard ASTM D 635 specifications.

MATERIAL

- Self-extinguishing, low density Polyethylene.

APPLICATIONS

- Gases and liquids transportation lines.
- Lines that demand materials that do not propagate fire.
- Hospitals, schools and buildings.
- Distribution boxes.
- Temperature control services.
- Chemical, paper and celluloses industries, among others.

CODE KEY

- Tubing in inches. Example 44PF
- Tubing in millimeters. Example M6/4PF

(1)	(2)	(3)	(4)
44	PF	(BK)	R

(1)	(1.1)	(2)	(3)	(4)
M	6	1/4	4	PF (BK) R

(1) - Tubing outside diameter (O.D.): 22 = 1/8"; 44 = 1/4"; ; 66 = 3/8"; 88 = 1/2". Tubings with metrical dimensions have the outside diameter directly added to the code.

(1.1) - Tubing inside diameter (I.D.): Tubings with metrical dimensions have the inside diameter directly added to the code. Tubings with dimensions in inches have standard wall thickness (see specification charts).

(2) - Tubing material: PF = Self-extinguishing, low density Polyethylene.

(3) - Tubing color: BK = Black.

(4) - Supply unit: R = Reel. See in the following tables the maximum quantity per reel. Longer lengths may be manufactured. For that, please consult our plant.

TECHNICAL DATA

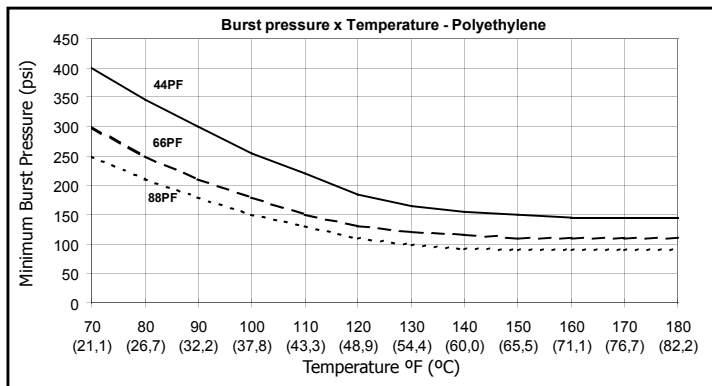
Tubing in inches

Part No.	Outside Diameter (O.D.)	Tube Wall Thickness (nominal)	Minimum Bend Radius	Maximum Working Pressure at 23°C	Minimum Burst Pressure at 23°C	Reel Length	Weight (Approx.)
	(in)	(mm)	(mm)	(psi)	(psi)	(m)	(g/m)
44PF(-)R	1/4	1,02	20,0	100	400	300	17,0
66PF(-)R	3/8	1,57	27,0	75	300	150	40,0
88PF(-)R	1/2	1,57	50,0	62	250	75	55,0

BURST PRESSURE VERSUS TEMPERATURE DATA

Suggested working pressure is 1/4 of burst pressure at the system operating temperature, as indicated in the previous tables and graphic (safety factor of 4-1).

Graphic below must be used only as a reference for choosing the tubing, for other factors such as fluid, line shocks, etc may affect these values.



FEATURES

- Operating temperature range: -18 °C to 79 °C.
- Working pressure: see tables (recommended safety factor 4-1).
- They have optimum resistance against hot water and corrosive acids, where the utilization of polyamide tubings is not possible.
- Ambient corrosion resistant.
- Excellent resistance to sulfuric acid.
- Low water absorption (less than 0.01%).