

Semi-Rigid PVDF Tubing



Features:

- Crosslinked PVDF (polyvinylidene fluorid)
- Superior mechanical and abrasion resistance
- Highly flame resistant
- High temperature resistance
- Excellent chemical and solvent resistance
- Semi-rigid
- Operating temp.: -55°C to +175°C
- Min. full recovery temp.: 175°C
- RoHS compliant
- Meets: SAE-AMS-DTL-23053/18

Approvals:

- UL VW-1, File No: E249362

Dimensions:

Size		As supplied (mm)		After recovered (mm)		Standard length
(inch)	(mm)	D*(Min.)	d*(Max.)	w*(Min.)		
3/64	1.2	1.2	0.6	0.20	200m/spool	
1/16	1.6	1.6	0.8	0.20	200m/spool	
3/32	2.4	2.4	1.2	0.23	200m/spool	
1/8	3.2	3.2	1.6	0.23	200m/spool	
3/16	4.8	4.8	2.4	0.23	1.22m	
1/4	6.4	6.4	3.2	0.28	1.22m	
3/8	9.5	9.5	4.8	0.28	1.22m	
1/2	12.7	12.7	6.4	0.28	1.22m	
3/4	19.1	19.1	9.5	0.36	1.22m	
1	25.4	25.4	12.7	0.41	1.22m	
1½	38.1	38.1	19.0	0.51	1.22m	

D* = Inner diameter as supplied d* = Inner diameter after fully recovered w* = Wall thickness after fully recovered

Technical properties:

Property	Test Method	Typical Data
Tensile strength	ASTM D 2671	≥34.5 MPa
Ultimate elongation	ASTM D 2671	≥150%
Ultimate elongation after aging	250°C, 168 hrs.	≥100%
Heat shock	300°C, 1 hrs.	No cracking
Cold bend	-55°C, 1 hrs.	No cracking
Flammability	VW-1	Pass
Volume resistance	IEC 93	≥10 ¹³ Ω.cm
Dielectric strength	ASTM D 2671	≥30 kV/mm

Ordering information:

Standard colors:

Clear

Special colors:

Black

Packaging:

Standard packaging on spools and/or 1.22m.

Other: Other cut lengths are available, please contact our sales department.