

Flonfit

175°C Military Grade Semi-Rigid KYNAR Heat Shrink Tubing
175°C 军标级半硬型KYNAR热缩管

阻燃、耐高温耐化学品性能

Flame Resistant, High-temperature and Chemical Resistance

该辐照交联聚偏二氟乙烯 (PVDF) 管材, 展现出卓越的耐化学品、耐溶剂及耐高温性能。其薄型半刚性结构, 有效提升耐磨损与抗切穿能力, 极为适用于绝缘、应力缓解及元件识别等多种应用场景。

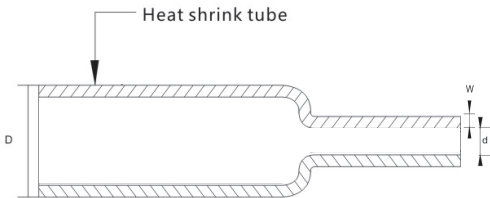
This irradiation cross-linked PVDF tubing provides excellent chemical, solvent, and high-temperature resistance. Its thin, semi-rigid structure ensures superior abrasion and cut-through protection, making it ideal for insulation, strain relief, and component identification.



产品特性与优势 Features and benefits

性能 Property	指标要求 Requirement	测试方法 Test Method	典型值 Typical Data
操作温度范围 Operating Temperature	/	/	-55°C to +175°C
最低收缩温度 Min. Shrink Temperature	/	/	+155°C
完全收缩温度 Full recovery temperature	/	/	+175°C
纵向收缩率 Longitudinal shrinkage	≤10%	ASTM D 2671	≤5%
抗张强度 Tensile strength	≥34.5MPa	ASTM D 638	≥34.5MPa
断裂伸长率 Elongation at break	≥150%	ASTM D 638	≥300%
老化后断裂伸长率 Elongation at break after aging	≥175%	ASTM D 638	≥200%
热冲击 Heat Shock	无裂痕 No Cracking	ASTM D 2671 (300°C, 4hrs)	无裂痕 No Cracking
低温柔软性 Low-temperature flexibility	无裂痕 No Cracking	ASTM D 2671 (-55°C, 4hrs)	无裂痕 No Cracking
绝缘耐压和击穿 Dielectric voltage withstand	无击穿 No Breakdown	ASTM D 2671 (2000V, 60s)	无击穿 No Breakdown
体积电阻率 Volume resistivity	≥10 ¹³ Ω-cm	ASTM D 876	≥10 ¹³ Ω-cm
腐蚀性 Corrosion	无腐蚀 No Corrosion	ASTM D 2671	无腐蚀 No Corrosion
阻燃性 Flammability	VW-1	UL224	VW-1

- 收缩比: 2:1
- 半刚性薄壁绝缘
- 卓越的阻燃性能, 耐温高达175°C
- 良好的韧性与耐化学腐蚀性
- 符合RoHS及REACH等环保规范
- Shrink Ratio: 2:1
- Semi-rigid, thin wall insulation
- Excellent flame resistance, up to 175°C
- Good toughness and chemical resistance
- RoHS and REACH compliant



颜色 COLOR



编号 Part No.	规格 Size (Φ mm)	收缩前 As supplied (mm)	收缩后 After recovered (mm)		标准包装 Standard packing (m/pc, m/roll)
		最小内径 I.D.min(D)	最大内径 I.D.max (d)	壁厚 W,T (w)	
Flonfit-175MV-1.2	1.2 (3/64")	1.2	0.6	0.25±0.05	1.22/200
Flonfit-175MV-1.6	1.6 (1/16")	1.6	0.8	0.25±0.05	1.22/200
Flonfit-175MV-2.4	2.4 (3/32")	2.4	1.2	0.25±0.05	1.22/200
Flonfit-175MV-3.2	3.2 (1/8")	3.2	1.6	0.25±0.05	1.22/200
Flonfit-175MV-4.8	4.8 (3/16")	4.8	2.4	0.25±0.05	1.22/100
Flonfit-175MV-6.4	6.4 (1/4")	6.4	3.2	0.30±0.08	1.22/100
Flonfit-175MV-9.5	9.5 (3/8")	9.5	4.8	0.30±0.08	1.22/100
Flonfit-175MV-12.7	12.7 (1/2")	12.7	6.4	0.30±0.08	1.22/50
Flonfit-175MV-19.1	19.1 (3/4")	19.1	9.5	0.43±0.08	1.22/50
Flonfit-175MV-25.4	25.4 (1")	25.4	12.7	0.48±0.08	1.22/50
Flonfit-175MV-38.1	38.1 (3/2")	38.1	19.1	0.51±0.08	1.22/50

符合标准 Standards

- VG 95343 Pt 5;
- UL224 (E35586 VW-1
600 V, 150°C);
- RoHS;
- REACH

接受特殊尺寸及颜色定制需求, 技术参数如有变更, 恕不另行通知。最低订购量 (MOQ) 可能与包装数量有所不同。

Custom sizes and colors are available upon request. Technical specifications are subject to change without prior notice. Minimum order quantities (MOQ) may differ from standard packaging quantities.

CN Flonfit-175MV

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DINGYUAN
HEAT SHRINK TUBING