

Flonfit

175°C High Performance Semi-Rigid PVDF Heat Shrink Tubing
175°C 高性能半硬型PVDF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, 耐高温达175°C
 - 良好的韧性与耐化学腐蚀性
 - 满足环保要求
- Shrink Ratio: 2:1
 - Semi-rigid, thin wall insulation
 - Excellent flame resistance, up to 175°C
 - Good toughness and chemical resistance
 - Meets environmental requirements.

颜色

COLOR



https://www.hzdingyuan.cn/

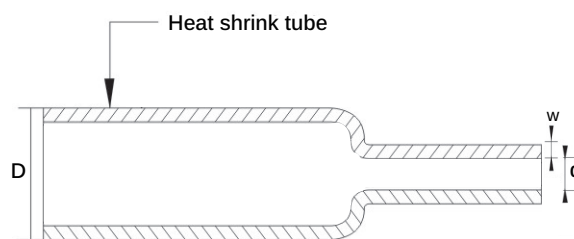


表 A. 产品规格
Table A. Product Dimensions

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)	
Flonfit-175MV-1.2	1.2 (3/64")	1.2	0.6	1.22/200
Flonfit-175MV-1.6	1.6 (1/16")	1.6	0.8	1.22/200
Flonfit-175MV-2.4	2.4 (3/32")	2.4	1.2	1.22/200
Flonfit-175MV-3.2	3.2 (1/8")	3.2	1.6	1.22/200
Flonfit-175MV-4.8	4.8 (3/16")	4.8	2.4	1.22/100
Flonfit-175MV-6.4	6.4 (1/4")	6.4	3.2	1.22/100
Flonfit-175MV-9.5	9.5 (3/8")	9.5	4.8	1.22/100
Flonfit-175MV-12.7	12.7 (1/2")	12.7	6.4	1.22/50
Flonfit-175MV-19.1	19.1 (3/4")	19.1	9.5	1.22/50
Flonfit-175MV-25.4	25.4 (1")	25.4	12.7	1.22/50
Flonfit-175MV-38.1	38.1 (3/2")	38.1	19.1	1.22/50

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.