

Flonfit

150°C Military Grade Protection Sleeve for Printable Tubing
150°C 军标级标识管保护套管

阻燃、耐高温、柔韧、耐化学腐蚀防护
Flame-Resistant , High-Temp, Flexible, Chemical-Resistant Protection

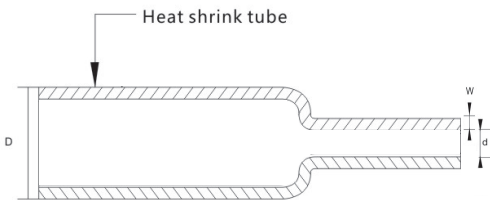
本管材采用辐照交联氟聚合物制成，具备卓越的耐化学性、耐溶剂性及耐磨损性能，能够在高温环境下稳定使用。其不仅为电线及电子元件提供可靠的绝缘、应力缓解与保护，同时便于清晰标识与便捷检测。

Manufactured from irradiation cross-linked fluoropolymer, this tubing offers outstanding chemical, solvent, and abrasion resistance at elevated temperatures. It ensures reliable insulation, strain relief, and protection for wires and electronic components, while also supporting clear identification and inspection.

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 +150°C
最低收缩温度 Min. Shrink Temperature	/	/	+125°C
完全收缩温度 Full recovery temperature	/	/	+150 °C
纵向收缩率 Longitudinal shrinkage	≤10%	ASTM D 2671	≤5%
抗张强度 Tensile strength	≥17.3MPa	ASTM D 638	≥24.3MPa
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	≥100%	ASTM D 638	≥200%
热冲击 Heat Shock	无裂痕 No Cracking	ASTM D 2671 (275°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 (2500V, 60s)	无击穿 No Breakdown
体积电阻率 Volume resistivity	≥10 ¹¹ Ω·cm	ASTM D 876	≥10 ¹² 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
- 柔软, 高阻燃
- 具备优良的韧性与耐磨性
- 透光性极佳, 性能稳定
- 符合RoHS及REACH等环保规范
- Shrink Ratio: 2:1
- Highly flame-resistant and flexible
- Good toughness and abrasion resistance
- Excellent clarity and stability
- 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)		标准长度 Standard length (mm/pc)
		内径 I.D (D)	最大内径 I.D.max (d)	最小壁厚 W.T min (w)	
Flonfit-150FV-2.4	2.4 (3/32")	2.4	1.2	0.25±0.05	32, 65, 76
Flonfit-150FV-3.2	3.2 (1/8")	3.2	1.6	0.25±0.05	32, 65, 76
Flonfit-150FV-4.8	4.8 (3/16")	4.8	2.4	0.25±0.05	32, 65, 76
Flonfit-150FV-6.4	6.4 (1/4")	6.4	3.2	0.30±0.08	32, 65, 76
Flonfit-150FV-9.5	9.5 (3/8")	9.5	4.8	0.30±0.08	32, 65, 76
Flonfit-150FV-12.7	12.7 (1/2")	12.7	6.4	0.30±0.08	32, 65, 76
Flonfit-150FV-19.1	19.1 (3/4")	19.1	9.5	0.43±0.08	32, 65, 76
Flonfit-150FV-25.4	25.4 (1")	25.4	12.7	0.48±0.08	32, 65, 76
Flonfit-150FV-38.2	38.1 (3/2")	38.1	19.1	0.51±0.08	32, 65, 76

符合标准 Standards

- 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.