

Wrapta

Fully Flame-Retardant Dual-Wall Heat Shrink Tubing with High Shrink Ratio
完全阻燃高收缩比双壁热缩管

4:1高收缩, 全面阻燃, 关键连接防护
4:1 High Shrink Ratio, Fully Flame-Retardant, Critical Connection Protection

完全阻燃高收缩比双壁热缩管 (Wrapta-V4) 采用阻燃聚烯烃与阻燃热熔胶双层结构, 具备 4:1 高收缩比, 能够为不同尺寸的线缆和端子提供卓越的绝缘和密封保护。该产品广泛应用于汽车、通信、航天、军工等对阻燃和安全性要求极高的领域, 是严苛环境下关键连接防护的理想选择。

Wrapta-V4 fully flame-retardant dual-wall heat shrink tubing features a 4:1 high shrink ratio and double-layer flame-retardant construction, providing excellent insulation and sealing for cables and connectors of various sizes. Widely used in automotive, communications, aerospace, and military industries, Wrapta-V4 is the ideal solution for critical connections where flame protection and reliability are essential.



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	/	/	-40°C to +135°C
最低收缩温度 Min. Shrink Temperature	/	/	+110°C
完全收缩温度 Full recovery temperature	/	/	+135 °C
纵向收缩率 Longitudinal shrinkage	≤10%	ASTM D 2671	≤5%
抗张强度 Tensile strength	≥10.3MPa	ASTM D 638	≥12MPa
断裂伸长率 Elongation at break	≥200%	ASTM D 638	≥400%
老化后断裂伸长率 Elongation at break after aging	≥100%	ASTM D 638 (175°C/168 hrs)	≥300%
热冲击 Heat Shock	无裂纹 No cracking	ASTM D 2671	无裂纹 No cracking
低温柔软性 Low-temperature flexibility	无裂纹 No cracking	ASTM D 2671 (-55°C/4 hrs)	无裂纹 No cracking
绝缘耐压和击穿 Dielectric voltage withstand	无击穿 No breakdown	ASTM D 2671	无击穿 No breakdown
体积电阻率 Volume resistivity	≥10 ¹⁴ Ω-cm	ASTM D 876	≥10 ¹⁴ Ω-cm
铜腐蚀性 Copper corrosion	无腐蚀 No corrosion	ASTM D 2671 (175°C/168 hrs)	无腐蚀 No corrosion
阻燃性 Flammability	VW-1	UL224	VW-1

- 收缩比 4:1
 - 阻燃聚烯烃外层与阻燃热熔胶内层
 - 完全阻燃, 优异绝缘与环境密封性能
 - 优异机械、化学、电气性能, 适用范围广
 - 广泛应用于汽车、通讯、航天、军工等行业
- Shrink ratio 4:1
 - Flame-retardant polyolefin outer and adhesive inner layers
 - Fully flame-retardant, excellent insulation and environmental sealing
 - Excellent mechanical, chemical, and electrical properties; wide application range
 - Widely used in automotive, communications, aerospace, and military industries

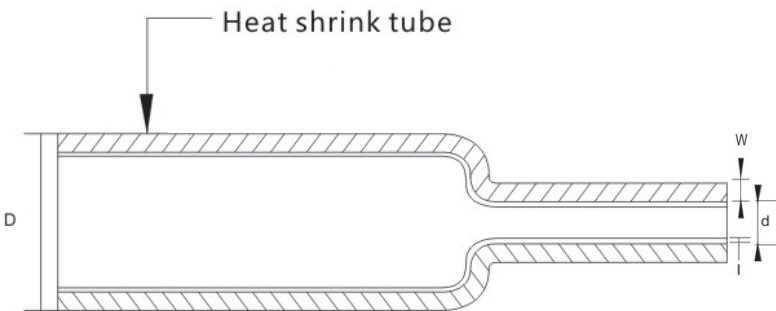
颜色 COLOR

符合标准 Standards

- RoHS;
- REACH;
- UL224 (600 V, 125°C, VW-1)

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标准壁厚 Standard wall thickness							
收缩比 Shrink Ratio	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 (m)
			最小内径 I.D. min (D)	最大内径 I.D.max (d)	壁厚 W.T (w)	胶厚 Adhesive thickness (i)	
4:1	Wrapta-V4-7.62	7.62	7.62	1.65	1.52±0.30	0.71	1.22
	Wrapta-V4-9.02	9.02	9.02	2.29	1.52±0.30	0.71	1.22
	Wrapta-V4-11.56	11.56	11.56	2.54	2.29±0.30	1.32	1.22
	Wrapta-V4-17.79	17.79	17.79	4.45	2.29±0.30	1.35	1.22

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.

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