

Wrapta

Flame Retardant Thick-Wall Heat Shrink Tubing
阻燃型厚壁含胶热缩管

厚壁阻燃, 防水密封
Thick-Wall Flame Retardant, Waterproof Sealing

阻燃型厚壁含胶热缩管 (Wrapta-TV) 专为电缆连接和终端密封设计, 具备优异的绝缘、防水及防潮性能。其厚壁结构和阻燃特性, 特别适用于汽车电线、航运电缆、线束及金属导管等严苛应用环境, 广泛应用于造船等对防护和安全有较高要求的行业, 是保障电气系统稳定运行的优选方案。

Wrapta-TV flame-retardant thick-wall adhesive-lined heat shrink tubing is engineered for cable connections and terminations, offering superior insulation, sealing, and moisture resistance. With its robust wall and flame-retardant properties, Wrapta-TV is ideal for automotive wires, shipping cables, bundled wires, and metal conduits, especially in the shipbuilding industry where safety and protection are paramount, ensuring long-term reliability for electrical systems.



产品特性与优势 Features and benefits

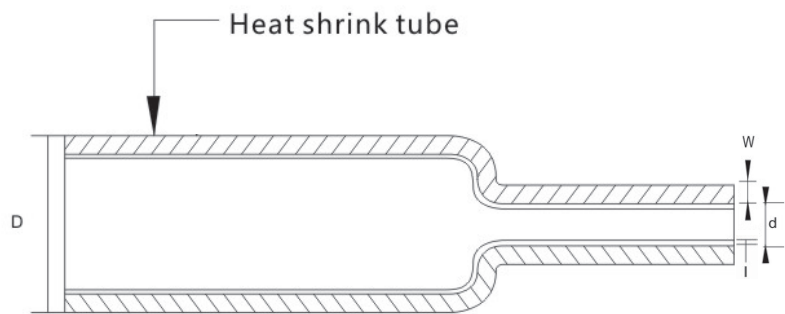
性能 Property	指标要求 Requirement	测试方法 Test Method	典型值 Typical Data
操作温度范围 Operating Temperature	/	/	-45°C to +110°C
最低收缩温度 Min. Shrink Temperature	/	/	+100°C
完全收缩温度 Full recovery temperature	/	/	+120 °C
抗张强度 Tensile strength	≥10.4MPa	ASTM D 2671	≥10.4MPa
老化后抗张强度 Tensile strength after aging	初始值的70% 70% of initial value	ASTM D 2671 (158°C/168 hrs)	≥70%
断裂伸长率 Elongation at break	≥200%	ASTM D 2671	≥200%
老化后断裂伸长率 Elongation at break after aging	≥100%	ASTM D 2671 (158°C/168 hrs)	≥100%
纵向收缩率 Longitudinal Shrink Ratio	0%~10%	UL224	0%~10%
热冲击 Heat Shock	无裂纹 No cracking	ASTM D 2671 (250°C/4 hrs)	无裂纹 No cracking
低温柔软性 Low-temperature flexibility	无裂纹 No cracking	ASTM D 2671 (-30°C/1 hr)	无裂纹 No cracking
绝缘耐压和击穿 Dielectric voltage withstand	无击穿 No breakdown	ASTM D 2671 (2.5kV, 1 minute)	无击穿 No breakdown
体积电阻率 Volume resistivity	≥10 ¹⁴ Ω·cm	ASTM D 876	≥10 ¹⁴ Ω·cm
阻燃性能 Flammability	30秒内自熄 Self-Extinguishing within 30s	SAE-AMS-DTL- 23053/5	通过 Pass
铜腐蚀性 Copper corrosion	通过 Pass	UL224 (158°C/168 hrs)	通过 Pass
吸水率 Water absorption	≤0.5%	ASTM D 570	≤0.5%

- 收缩比3:1
 - 厚壁结构, 具备优异阻燃性能
 - 出色绝缘、防水、防潮与密封保护
 - 耐磨损, 适用于汽车、船舶等严苛环境
 - 保障电气系统长期安全稳定运行
- Shrink ratio 3:1
 - Thick-wall construction with excellent flame retardancy
 - Superior insulation, waterproof, moistureproof, and sealing performance
 - Abrasion resistant, ideal for automotive, marine, and harsh applications
 - Ensures long-term safety and reliability for electrical systems

颜色 COLOR

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厚壁 Thick-Wall						
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)	最小壁厚 W.T min (w)	
3:1	Wrapta-TV-19	19	19	6	3.00	1.22
	Wrapta-TV-22	22	22	6	3.25	1.22
	Wrapta-TV-28	28	28	8	3.25	1.22
	Wrapta-TV-32	32	32	8	3.25	1.22
	Wrapta-TV-38	38	38	12	3.95	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.

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