

Wrapta Oil-Resistant Dual-Wall Heat Shrink Tubing for Automotive
汽车线束用耐油双壁热缩管

高收缩比, 耐油防水, 汽车线束专用
High Shrink Ratio, Oil & Waterproof, Automotive Harness Solution

汽车线束用耐油双壁热缩管 (Wrapta-A) 专为汽车线束的防水、绝缘和耐油保护设计。其4:1高收缩比, 适用于多种规格的接头和线缆, 简化安装流程。半硬聚烯烃外层耐磨耐油, 内层热熔胶可在收缩时形成牢固密封, 有效防止水分和腐蚀渗透。Wrapta-A能在恶劣环境下, 为汽车线束提供持久、可靠的全方位保护。

Wrapta-A dual-wall oil-resistant heat shrink tubing is designed for automotive wire harness waterproofing, insulation, and oil protection. The 4:1 high shrink ratio fits various connector sizes and cables, simplifying installation. Its semi-rigid polyolefin outer layer resists abrasion and oil, while the adhesive liner creates a strong seal to block moisture and corrosion. Wrapta-A delivers lasting, reliable protection for automotive wire harnesses even in harsh environments.



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 +130°C
最低收缩温度 Min. Shrink Temperature	/	/	+110°C
完全收缩温度 Full recovery temperature	/	/	+135 °C
抗张强度 Tensile strength	≥10.3MPa	ASTM D 2671	≥14MPa
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%
长度变化率 Longitudinal change	0%~10%	UI223	通过 Pass
热冲击 Heat shock	无裂痕 No Cracking	ASTM D2671 (250°C/4 hrs)	无裂痕 No Cracking
低温柔软性 Low temperature flexibility	无裂痕 No Cracking	ASTM D 2671 (-40°C/4 hrs)	无裂痕 No Cracking
绝缘耐压和击穿 Dielectric voltage withstand	无击穿 No Breakdown	ASTM D 2671 (AC2500V/60S)	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	移火后30秒内自熄 Self extinguishing within 30S after fire source removed	SAE-AMS-DTL -2353/5	通过 Pass
铜腐蚀性 Copper corrosion	通过 Pass	UI224	通过 Pass
吸水性 Water absorption	< 0.5%	ASTM D 570	通过 Pass

- 收缩比4:1
 - 半硬阻燃聚烯烃, 耐磨耐腐蚀
 - 厚热熔胶层, 优异防水密封保护
 - 适用于线束、端子等绝缘防护
 - 符合RoHS和REACH认证, 性能可靠
- Shrink ratio 4:1
 - Semirigid, flame-retardant polyolefin, abrasion and solvent resistant
 - Thick adhesive liner for excellent waterproof sealing
 - Ideal for insulation and protection of splices and terminals
 - RoHS, and REACH compliant, reliable performance

颜色 COLOR

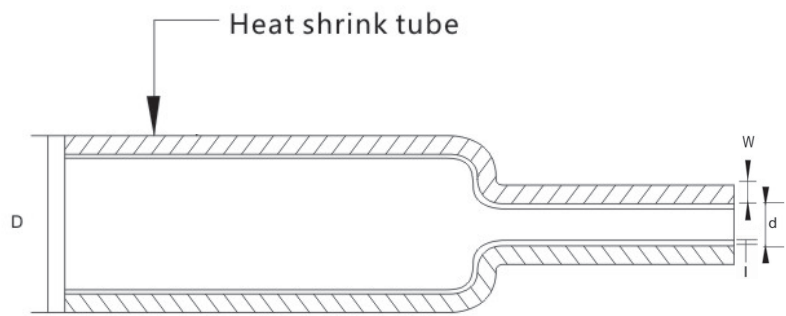


符合标准 Standards

- SAE-AMS-DTL-2353/5
- RoHS
- REACH

Wrapta

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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/roll)
			最小内径 I.D.min (D)	最大内径 I.D.max (d)	最小壁厚 W.T.min (w)	最小胶厚 Adhesive thickness (l)	
4:1	Wrapta-A-5.72	5.72 (0.225")	5.72	1.27	1.20	0.56	1.22
	Wrapta-A-7.44	7.44 (0.293")	7.44	1.65	1.52	0.76	1.22
	Wrapta-A-10.85	10.85 (0.427")	10.85	2.41	1.91	1.02	1.22
	Wrapta-A-17.78	17.78 (0.700")	17.78	4.45	2.41	1.37	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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