

Wrapta

Brake Hose Protective Heat Shrink Tubing
刹车油管保护热缩管

密封耐磨, 防腐防护
Sealing & Abrasion Resistant, Corrosion Protection

刹车油管保护热缩管 (Wrapta-B) 采用辐照交联聚烯烃与内层热熔胶共挤工艺, 专为汽车刹车油管、燃油管及助力转向管的外部防护设计。其出色的密封、防腐蚀和耐磨性能, 有效防止管路因外部环境或碎石冲击造成的损坏, 保障汽车关键系统的安全与稳定运行, 是车辆管路长期可靠防护的理想选择。

Wrapta-B brake hose protection heat shrink tubing is manufactured by co-extrusion of irradiation cross-linked polyolefin and adhesive, specifically designed to protect automotive brake hose, fuel lines, and power steering lines. With excellent sealing, corrosion resistance, and abrasion protection, Wrapta-B shields vital tubing from environmental hazards and gravel damage, ensuring long-term safety and reliability of automotive systems. It is the optimal solution for robust and secure hose protection.



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 +105°C
最低收缩温度 Min. Shrink Temperature	/	/	+75°C
完全收缩温度 Full recovery temperature	/	/	+115 °C
纵向收缩率 Longitudinal Shrink Ratio	≤10%	ASTM D 2671	≤5%
抗张强度 Tensile strength	≥11.7MPa	ASTM D 638	≥14.0MPa
老化后抗张强度 Tensile strength after aging	≥11.7MPa	ASTM D 638 (120°C/24 hrs)	≥14.0MPa
断裂伸长率 Elongation at break	≥300%	ASTM D 638	≥500%
老化后断裂伸长率 Elongation at break after aging	≥270%	ASTM D 638 (120°C/24 hrs)	≥400%
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
击穿强度 Dielectric strength	≥20kV/mm	IEC 243	≥25kV/mm
吸水率 Water Absorption	< 0.5%	IEC 62	< 0.3%
低温柔软性 Low-temperature flexibility	无裂纹 No cracking	ASTM D 2671 (-30°C/1 hrs)	无裂纹 No cracking
脆化温度 Brittle point	≤-35°C	ASTM D 746	-60°C

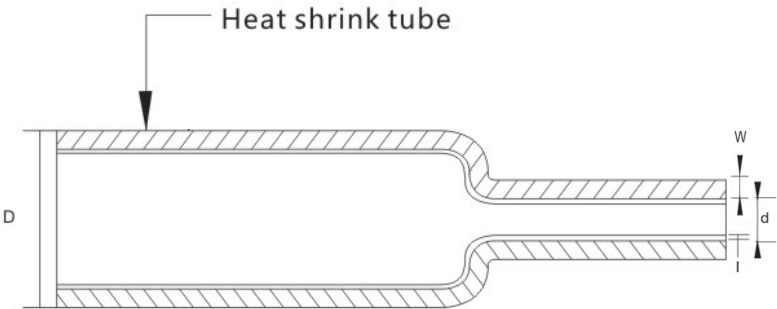
- 收缩比 1.5:1/2:1
 - 辐照交联聚烯烃外层, 内层含胶密封
 - 优异耐腐蚀、耐磨损, 保护管路不受损坏
 - 适用于汽车刹车油管、燃油管及助力转向管
- Shrink ratio 1.5:1 / 2:1
 - Irradiation cross-linked polyolefin outer, adhesive-lined inner for sealing
 - Excellent corrosion and abrasion resistance, protects tubing from damage
 - Designed for automotive brake, fuel, and power steering lines

颜色 COLOR

- 符合标准 Standards
- RoHS;
 - REACH

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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)			适用管路直径 Application pipe diameter (mm)
			最小内径 I.D.min (D)	最大内径 I.D.max (d)	总壁厚 W.T (w+l)	胶厚 Adhesive thickness (l)	
1.5:1	Wrapta-WG-6.0	6.0	6.0	4.5	1.20±0.20	0.20	4.76
	Wrapta-WG-9.0	9.0	9.0	6.1	1.20±0.20	0.20	6.35
	Wrapta-WG-12.0	12.0	12.0	6.9	1.30±0.20	0.20	8
	Wrapta-WG-14.0	14.0	14.0	9.0	1.30±0.20	0.20	10
2:1	Wrapta-WG-19.0	19.0	19.0	7.9	1.30±0.20	0.20	8

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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