Wrapta

Military Grade Dual-Wall Heat Shrink Tubing
军标级双壁热缩管

军标级密封防护，防水防腐
Military Grade Sealing, Waterproof & Anti-Corrosion

军标级双壁热缩管（Wrapta-MG）具备3:1收缩比与V-0级阻燃性能，专为线束、船用电缆及金属管道等环境下的密封、防水与防腐蚀保护而设计。其卓越的绝缘性及高机械强度，保障在严苛工况下的长期安全运行，是高要求工程和军工领域的理想选择。

Wrapta-MG military-grade dual-wall heat shrink tubing features a 3:1 shrink ratio and V-0 flame retardancy, offering reliable sealing, waterproofing, and corrosion protection for wire harnesses, marine cables, and metal pipes. With outstanding insulation and mechanical strength, Wrapta-MG ensures long-term safety and performance in demanding environments, making it the preferred solution for high-reliability applications and military projects.

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 +135°C
最低收缩温度 Min. Shrink Temperature	/	/	+90°C
完全收缩温度 Full recovery temperature	/	/	+125 °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	≥7.3MPa	ASTM D 2671 (158℃, 168 hrs)	≥7.3MPa
断裂伸长率 Elongation at break	≥300%	ASTM D 2671	≥300%
老化后断裂伸长率 Elongation at break after aging	≥100%	ASTM D 2671 (158℃, 168 hrs)	≥100%
纵向收缩率 Longitudinal Shrink Ratio	-8%~+8%	ASTM D 2671	-8%~+8%
阻燃性能 Flammability	60秒内自熄 Self-Extinguishing within 60s	AMS-DTL-23053/4	通过 Pass
击穿强度 Dielectric strength	≥15kV/mm	IEC 60243	≥15kV/mm
体积电阻率 Volume resistivity	$\geq 10^{14}\Omega\cdot cm$	IEC 60093	$\geq 10^{14}\Omega\cdot cm$
阻燃性（垂直燃烧） Flame Retardancy (Vertical Burn)	V-0	GB/T 2408	V-0
阻燃性（水平燃烧） Flame Retardancy (Horizontal Burn)	HB	GB/T 2408	HB
热熔胶性能 Adhesive Property			
吸水率 Water Absorption	< 0.2%	ASTM-D570	< 0.2%
软化点 Vicat Softening Point	95℃±5	ASTM-E28	95℃±5
剥离强度(PE) Peel Strength (PE)	120N/25mm	ASTM-D1000	120N/25mm
剥离强度(AL) Peel Strength (AL)	80N/25mm	ASTM-D1000	80N/25mm

- 收缩比3:1
- 军标级、环保V-0阻燃
- 优异密封防水，防潮、防腐蚀，胶层牢固
- 高强度、高伸长率、耐热老化，优良绝缘
- 适用于线束、船用电缆和金属管等领域

- Shrink ratio 3:1
- Military grade, V-0 flame retardant
- Excellent waterproof, moisture and corrosion resistance, strong adhesive layer
- High strength and elongation, heat aging resistant, excellent insulation
- Suitable for wire harnesses, marine cables, and metal pipes

颜色 COLOR

符合标准 Standards

- RoHS

https://www.hzdingyuan.cn/

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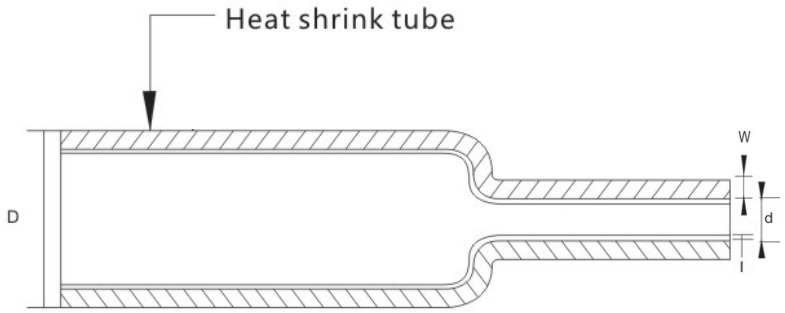

标准壁厚 Standard wall thickness							
收缩比 Shrink Ratio	编号 Part No.	规格 Size (Φ mm)	收缩前 As supplied (mm)	收缩后 After recovered(mm)			标准长度 Standard length (m/roll, m/pc)
			最小内径 I.D.min (D)	最大内径 I.D.max (d)	总壁厚 W.T (w+l)	胶厚 Adhesive thickness (l)	
3:1	Wrapta-WG-3.2	3.2	3.2	1.0	0.90±0.30	0.40±0.20	200/-
	Wrapta-WG-4.8	4.8	4.8	1.6	1.05±0.30	0.40±0.20	100/-
	Wrapta-WG-6.4	6.4	6.4	2.2	1.25±0.30	0.45±0.20	100/-
	Wrapta-WG-7.9	7.9	7.9	2.7	1.35±0.30	0.45±0.20	100/-
	Wrapta-WG-9.5	9.5	9.5	3.2	1.45±0.30	0.50±0.20	50/1.22
	Wrapta-WG-12.7	12.7	12.7	4.2	1.65±0.30	0.50±0.20	-/1.22
	Wrapta-WG-15.0	15.0	15.0	5.2	1.80±0.30	0.55±0.30	-/1.22
	Wrapta-WG-19.1	19.1	19.1	6.3	1.95±0.30	0.60±0.30	-/1.22
	Wrapta-WG-25.4	25.4	25.4	8.5	2.00±0.40	0.60±0.30	-/1.22
	Wrapta-WG-30.0	30.0	30.0	10.2	2.15±0.40	0.65±0.30	-/1.22
	Wrapta-WG-39.0	39.0	39.0	13.5	2.45±0.40	0.75±0.30	-/1.22
	Wrapta-WG-50.0	50.0	50.0	17.0	2.75±0.40	0.80±0.30	-/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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DINGYUAN HEAT SHRINK TUBING