

Oiliant

150°C Military-Grade Oil-Resistant Neoprene Heat Shrink Tubing
150°C 军标级耐油橡胶热缩管

军标级耐油, 柔软阻燃

Military-Grade Oil Resistant, Flexible & Flame Retardant

150°C 军标级耐油橡胶热缩管 (Oiliant-NM) 专为高要求的军用和赛车线束防护而设计, 采用辐照交联高性能耐油聚合物制成, 能在高温环境下持续保持柔韧和阻燃特性。Oiliant-NM 擅长应对航空、柴油和液压油等严苛介质的侵蚀, 有效保护电缆、线束及连接器免受油品、化学品及磨损损害。无论用于军事车辆还是赛车线束, Oiliant-NM 都可显著提升系统的耐用性与可靠性, 是严苛环境下线缆防护的理想选择。

Oiliant-NM 150°C military-grade oil-resistant rubber heat shrink tubing is engineered for the demanding protection of military and motorsport wire harnesses. Made from irradiation cross-linked, high-performance oil-resistant polymers, it remains flexible and flame-retardant at elevated temperatures. Oiliant-NM excels in shielding cables, harnesses, and connectors from aviation, diesel, and hydraulic oils, as well as chemical exposure and abrasion. Whether for military vehicles or motorsport wiring, Oiliant-NM ensures outstanding durability and reliability, making it the optimal choice for harsh environment cable 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	/	/	-75°C to +150°C
完全收缩温度 Full recovery temperature	/	/	+150 °C
纵向收缩率 Longitudinal shrinkage	≤10%	ASTM D 2671	≤5%
抗张强度 Tensile strength	≥11.7MPa	ASTM D 638	≥13MPa
断裂伸长率 Elongation at break	≥200%	ASTM D 638	≥400%
老化后抗张强度 Tensile strength after aging	≥10.3MPa	ASTM D 638 (150°C, 168hrs)	≥12MPa
老化后断裂伸长率 Elongation at break after aging	≥200%	ASTM D 638 (150°C, 168hrs)	≥300%
热冲击 Heat Shock	无裂痕 No Cracking	ASTM D 2671 (200°C, 4hrs)	无裂痕 No Cracking
低温柔软性 Low-temperature flexibility	无裂痕 No Cracking	ASTM D 2671 (-65°C, 4hrs)	无裂痕 No Cracking
绝缘耐压和击穿 Dielectric voltage withstand	无击穿 No Breakdown	ASTM D 2671 (2500V, 60s)	无击穿 No Breakdown
介电强度 Dielectric strength	≥11.9kV/mm	ASTM D 2671	≥16kV/mm
体积电阻率 Volume resistivity	≥10 ⁹ Ω-cm	ASTM D 876	≥10 ¹⁰ Ω-cm
腐蚀性 Corrosion	无腐蚀 No Corrosion	ASTM D 2671	无腐蚀 No Corrosion
阻燃性 Flammability	1分钟内自熄 Self-extinguishing within 1 minute	ASTM D 2671	通过 Pass
耐液性 Fluid Resistance (23°C, 24hrs)			
抗张强度 Tensile strength	≥10.3MPa	ASTM D 638	≥12MPa
断裂伸长率 Elongation at break	≥200%	ASTM D 638	≥300%
介电强度 Dielectric strength	≥7.9kV/mm	ASTM D 2671	≥12kV/mm

- 收缩比2:1
- 军标级高性能耐油橡胶, 150°C高温下依然柔软阻燃
- 优异的耐油、耐航空柴油和液压油及耐化学腐蚀能力
- 出色耐磨损, 适用于军用和赛车线束防护
- Shrink ratio 2:1
- Military-grade, high-performance oil-resistant rubber, remains flexible and flame-retardant at 150°C
- Excellent resistance to aviation, diesel, hydraulic oils, and chemicals
- Superior abrasion resistance, ideal for military and motorsport harness protection

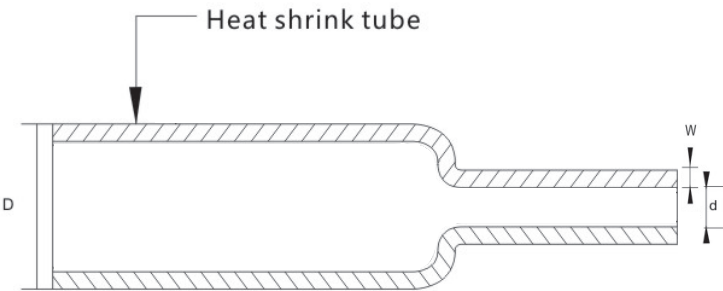
符合标准 Standards

- 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)		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)	
2:1	Oiliant-NM-2.4	2.4	2.4	1.2	0.51±0.08	200
	Oiliant-NM-3.2	3.2	3.2	1.6	0.76±0.15	100
	Oiliant-NM-4.8	4.8	4.8	2.4	0.84±0.15	100
	Oiliant-NM-6.4	6.4	6.4	3.2	0.89±0.15	100
	Oiliant-NM-9.5	9.5	9.5	4.8	1.02±0.20	50
	Oiliant-NM-12.7	12.7	12.7	6.4	1.21±0.20	50
	Oiliant-NM-19.1	19.1	19.1	9.5	1.45±0.28	30
	Oiliant-NM-25.4	25.4	25.4	12.7	1.78±0.28	30
	Oiliant-NM-38.1	38.1	38.1	19.1	2.41±0.41	30
	Oiliant-NM-50.8	50.8	50.8	25.4	2.79±0.41	25

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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