Chlorion

120°C Oil-Resistant Flexible Neoprene Heat Shrink Tubing
120°C 耐油柔软氯丁橡胶热缩管

耐油耐磨，柔软防护，严苛环境专用
Oil & Abrasion Resistant, Flexible Protection, For Demanding Environments

120°C 耐油柔软氯丁橡胶热缩管（Chlorion-NO）专为严苛环境下线束和元器件的绝缘与防护而设计，采用高品质交联氯丁橡胶材料，可在低温和高温下保持柔韧，同时具备优异的耐油、耐化学腐蚀和耐磨损能力。Chlorion-NO特别适用于商业、军事及航空航天等领域，能够有效保护电缆和线束免受燃油、润滑油及液压油等介质侵蚀，延长系统寿命，提升运行可靠性，是高要求环境下电气保护的理想之选。

Chlorion-NO 120°C oil-resistant flexible neoprene heat shrink tubing is designed for insulation and protection of cable harnesses and components in demanding environments. Crafted from high-quality cross-linked neoprene rubber, it remains flexible across wide temperature ranges and delivers outstanding resistance to oils, chemicals, and abrasion. Widely used in commercial, military, and aerospace industries, Chlorion-NO effectively shields cables and wire bundles from fuels, lubricants, and hydraulic fluids, ensuring durability and long-term system reliability. It is the optimal choice for robust electrical protection in critical applications.

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	/	/	-70°C to +121°C
最低收缩温度 Min. Shrink Temperature	/	/	+90°C
完全收缩温度 Full recovery temperature	/	/	+135 °C
纵向收缩率 Longitudinal shrinkage	≤10%	ASTM D 2671	≤5%
抗张强度 Tensile strength	≥10.3MPa	ASTM D 638	≥11.0MPa
断裂伸长率 Elongation at break	≥225%	ASTM D 638	≥300%
老化后抗张强度 Tensile strength after aging	≥8.2MPa	ASTM D 638 (121℃, 168hrs)	≥10.4MPa
老化后断裂伸长率 Elongation at break after aging	≥175%	ASTM D 638 (121℃, 168hrs)	≥200%
热冲击 Heat Shock	无裂痕 No Cracking	ASTM D 2671 (150℃, 4hrs)	无裂痕 No Cracking
低温柔软性 Low-temperature flexibility	无裂痕 No Cracking	ASTM D 2671 (-70℃, 4hrs)	无裂痕 No Cracking
绝缘耐压和击穿 Dielectric voltage withstand	无击穿 No Breakdown	ASTM D 2671 (2000V, 60s)	无击穿 No Breakdown
介电强度 Dielectric strength	≥11.8kV/mm	ASTM D 2671	≥15kV/mm
体积电阻率 Volume resistivity	$\geq 10^{11}$Ω·cm	ASTM D 876	$\geq 10^{11}$Ω·cm
腐蚀性 Corrosion	无腐蚀 No Corrosion	ASTM D 2671	无腐蚀 No Corrosion
阻燃性 Flammability	15秒内自熄 Self-extinguishing withi	ASTM D 2671	通过 Pass
耐液性 Fluid Resistance (23℃, 24hrs)			
抗张强度 Tensile strength	≥6.9MPa	ASTM D 638	≥9.0MPa
断裂伸长率 Elongation at break	≥175%	ASTM D 638	≥200%
介电强度 Dielectric strength	≥9.8kV/mm	ASTM D 2671	≥12kV/mm

- 收缩比2:1
- 柔软高弹，低温至-70°C 仍保持柔韧性
- 优异的耐油、耐润滑油、耐化学腐蚀能力
- 耐磨损，阻燃，适用于严苛环境
- 符合RoHS、REACH环保规范，广泛应用于军工、航空航天等领域

- Shrink ratio 2:1
- Highly flexible and elastic, remains pliable down to -70°C
- Outstanding resistance to oils, lubricants, and chemicals
- Excellent abrasion resistance, flame-retardant, ideal for harsh environments
- RoHS and REACH compliant, widely used in military, aerospace, and commercial sectors

符合标准 Standards

- **RoHS;**
- **REACH**

颜色 COLOR

https://www.hzdingyuan.cn/

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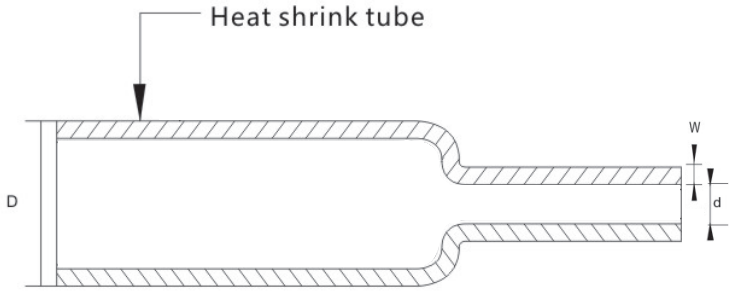
Chlorion

120°C Diesel-Resistant Flexible Neoprene Heat Shrink Tubing
120°C 耐油柔软氯丁橡胶热缩管



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	Chlorion-ND-2.4	2.4	2.4	1.2	0.51±0.15	200
	Chlorion-ND-3.2	3.2	3.2	1.6	0.69±0.20	100
	Chlorion-ND-4.8	4.8	4.8	2.5	0.84±0.25	100
	Chlorion-ND-6.4	6.4	6.4	3.6	0.88±0.25	100
	Chlorion-ND-9.5	9.5	9.5	5.4	1.02±0.25	50
	Chlorion-ND-12.7	12.7	12.7	7.3	1.21±0.38	50
	Chlorion-ND-15.9	15.9	15.9	9.1	1.32±0.38	50
	Chlorion-ND-19.1	19.1	19.1	10.9	1.44±0.38	30
	Chlorion-ND-22.2	22.2	22.2	12.7	1.65±0.38	30
	Chlorion-ND-25.4	25.4	25.4	14.5	1.78±0.50	30
	Chlorion-ND-31.8	31.8	31.8	18.1	2.20±0.50	30
	Chlorion-ND-38.1	38.1	38.1	21.8	2.41±0.50	30
	Chlorion-ND-50.8	50.8	50.8	29.0	2.79±0.50	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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