

# Rubiont 150°C EPDM Heat Shrink Tubing

## 150°C EPDM热缩管

### 高绝缘耐磨, 多领域防护, 特制EPDM

High Insulation & Abrasion, Versatile Protection, Special EPDM

EPDM热缩管 (Rubiont-NE) 采用特制三元乙丙橡胶 (EPDM) 制成, 专为高性能绝缘与防护需求设计。相比普通EPDM管, Rubiont-NE具备更高的电气绝缘强度和耐磨性, 适用于各类线缆、线束和电子元件的绝缘保护, 以及焊点防腐防锈、机械防护和防水密封。无论在电子、汽车、装饰或灯饰等领域, Rubiont-NE都能为您的系统带来持久可靠的安全屏障, 是严苛环境下多用途防护的首选。

Rubiont-NE EPDM heat shrink tubing is manufactured from specially compounded EPDM elastomer, offering superior physical properties, higher voltage resistance, and excellent abrasion protection compared to traditional EPDM tubes. It is ideal for insulation and protection of cables, harnesses, connectors, and for anti-corrosion, mechanical protection, and waterproof sealing of solder joints. Widely used in electronics, automotive, decorative, and lighting applications, Rubiont-NE provides robust and long-lasting protection, making it the preferred choice for demanding multipurpose 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 +150°C
最低收缩温度 Min. Shrink Temperature	/	/	+70°C
完全收缩温度 Full recovery temperature	/	/	+120 °C
纵向收缩率 Longitudinal shrinkage	≤10%	ASTM D 2671	≤5%
抗张强度 Tensile strength	≥10.4MPa	ASTM D 638	≥12MPa
断裂伸长率 Elongation at break	≥200%	ASTM D 638	≥400%
老化后抗张强度 Tensile strength after aging	≥7.3MPa	ASTM D 638 (180°C, 168hrs)	≥9.8MPa
老化后断裂伸长率 Elongation at break after aging	≥100%	ASTM D 638 (180°C, 168hrs)	≥200%
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	≥10kV/mm	ASTM D 2671	≥12kV/mm
体积电阻率 Volume resistivity	≥10 <sup>13</sup> Ω·cm	ASTM D 876	≥10 <sup>13</sup> Ω·cm

- 收缩比2:1
- 特制EPDM材质, 柔软有弹性, 手感出色
- 高绝缘强度, 耐温达150°C, 短时可达200°C
- 优异的耐磨、耐候、耐紫外及耐酸碱化学性能
- 广泛适用于线缆、元件、焊点等多领域防护, RoHS/REACH 认证
- Shrink ratio 2:1
- Specially compounded EPDM, flexible and elastic, excellent tactile feel
- High insulation strength, temperature rated to 150°C, short-term up to 200°C
- Excellent abrasion, weather, UV, acid and chemical solvent resistance
- Versatile protection for cables, components, solder joints; RoHS/REACH compliant

### 符合标准 Standards

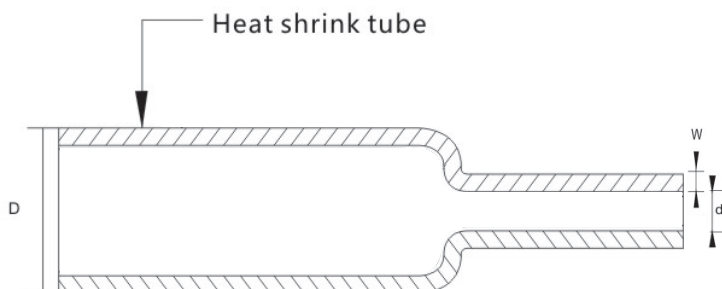
- RoHS;
- REACH

### 颜色 COLOR



Rubiont

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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	Rubiont-NE-6.0	6.0	6.0	3.0	0.80±0.10	50
	Rubiont-NE-8.0	8.0	8.0	4.0	0.90±0.10	50
	Rubiont-NE-10.0	10.0	10.0	5.0	1.20±0.10	50
	Rubiont-NE-12.0	12.0	12.0	6.0	1.20±0.10	50
	Rubiont-NE-16.0	16.0	16.0	8.0	1.50±0.15	30
	Rubiont-NE-20.0	20.0	20.0	10.0	1.50±0.15	30
	Rubiont-NE-30.0	30.0	30.0	15.0	1.80±0.15	20
	Rubiont-NE-40.0	40.0	40.0	20.0	2.00±0.20	20
	Rubiont-NE-45.0	45.0	45.0	22.0	2.00±0.20	20
	Rubiont-NE-50.0	50.0	50.0	25.0	2.00±0.20	20
	Rubiont-NE-60.0	60.0	60.0	30.0	2.10±0.30	10
Rubiont-NE-70.0	70.0	70.0	35.0	2.10±0.30	10	

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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