



CUSTOM ELECTRICAL INSULATION

Technical data sheet - cross-linked polyolefin heat shrink tubing

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ISO 9001

OEM / ODM

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PE无卤环保热缩套管 XR-H PE Heat Shrinkable Tube

H无卤环保阻燃热收缩套管采用优质高聚物，经科学配方、机械共混成高聚物合金，产品成型后经电子加速器辐照交联、连续扩张而成。产品具有环保、柔软、阻燃、收缩快、性能稳定等优点。广泛应用于电线连接、焊点保护、电线端部、线束及电子元器件的防护和绝缘处理；健身器材零部件和钢结构表面防护；相关产品的防锈、防腐处理；电线，电子电器、线束加工、家用电器、马达及设备仪器内部连接线的保护和绝缘处理和其它产品的标识等。

H halogen - free flame retardant environmental protection heat shrinkable casing is made of high quality high polymer, the scientific formula, mechanical blending polymer alloy, after molding, products by the electron accelerator irradiation Crosslinking, continuous expansion. Products with environmental protection, soft, flame retardant, shrinking fast, stable performance, etc. Widely used in wire, solder joint protection, wire End, wiring harness, and the protection and insulation processing of electronic components; Fitness equipment parts and steel structure surface protection; Related products of anti -rust, anti-corrosion treatment; The wire, Electronic appliances, wiring harness processing, household appliances, motor and equipment instrument internal connections protection and insulation of the identity of the processing and other products, etc.



产品描述 product description

- ① 起始收缩温度70℃，超薄型完全收缩温度110℃，普通型完全收缩温度120℃，轴向收缩率≤5%；

② 工作温度:-55℃~125℃

③ 额定电压:600V

④ 产品具有低温收缩、柔软、阻燃、绝缘、耐油耐酸等优点。

⑤ 使用方便:用烘箱和热风枪加热即可收缩。

⑥ 规格齐全，Φ0.6~Φ180，并可定制特殊规格。
- ① Low initial shrinkage temperature to 70℃, ultra - thin shrinkage temperature to 110℃, completely normal full shrinkage temperature to 120℃, axial shrinkage rate of 5% or less;

② Low working temperature: -55℃~125℃

③ Low rated voltage: 600v

④ Low product has low temperature shrinkage, soft, flame retardant, insulation, oil resistance, etc.

⑤ "Easy to use: use oven and heat gun heat shrinkage.

⑥ Complete specifications, Φ 0.6 ~ 180 Φ , and special specifications can be customized.

产品用途 Product use

本产品广泛应用于电子电器、线束加工、家用电器、马达及设备仪器内部连接线的保护和绝缘处理。
This product is widely used in electronic appliances, wiring harness processing, household appliances, motor and equipment instrument internal connections of protection and insulation.

性能参数 Properties

性能 Properties	测试条件 Condition	指标 Value
物理性能 (Physical)		
抗拉强度 (Tensile strength)	GB/T1040	≥10.4Mpa
断裂伸长率 (Elongation)	GB/T1040	≥200%
老化后抗张强度 (Tensile strength after aging)	UL224 158±1℃,168hr	≥70%
老化后断裂伸长率 (Elongation after aging)	UL224 158±1℃,168hr	≥100%
热冲击 (Heat shock)	250℃ 1hr	无裂纹no cracking
冷弯曲 (Cold bend)	-30℃,1hr	无裂纹no cracking
电气性能 (Electrical)		
绝缘耐压 (Dielectric Voltage withstand)	60sec	≥2500V
击穿强度 (Dielectric strength)	GB/T1408	≥20KV/mm
体积电阻率 (Volume resistivity)	GB/T1410	≥10 ¹⁴ Ω.CM
化学性能 (Chemical)		
铜腐蚀性 (Corrosion)	158±1℃,168hr	PASS
铜稳定性 (Copper stability)	158±1℃,168hr	伸长率≥100%
阻燃性 (Flammability)	VW-1	PASS
温度等级 (Temperature rating)	125℃	

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产品SPEC	收缩前尺寸mm(As supplied)		完全收缩后尺寸mm (After shrinking)	
	内径(Inside diameter)	壁厚(Wall Thickness)	内径(Inside diameter)	壁厚(Wall Thickness)
Φ0.6	0.9±0.2	0.20±0.05	≤0.40	0.33±0.10
Φ0.8	1.1±0.2	0.20±0.05	≤0.50	0.33±0.10
Φ1.0	1.5±0.2	0.20±0.05	≤0.65	0.36±0.10
Φ1.5	2.0±0.2	0.20±0.05	≤0.85	0.36±0.10
Φ2.0	2.5±0.2	0.25±0.05	≤1.00	0.45±0.10
Φ2.5	3.0±0.2	0.25±0.05	≤1.30	0.45±0.10
Φ3.0	3.5±0.2	0.25±0.05	≤1.50	0.45±0.10
Φ3.5	4.0±0.2	0.25±0.05	≤1.80	0.45±0.10
Φ4.0	4.5±0.2	0.25±0.05	≤2.00	0.45±0.10
Φ4.5	5.0±0.2	0.30±0.08	≤2.30	0.56±0.10
Φ5.0	5.5±0.2	0.30±0.08	≤2.50	0.56±0.10
Φ5.5	6.0±0.2	0.30±0.08	≤2.75	0.56±0.10
Φ6.0	6.5±0.2	0.30±0.08	≤3.00	0.56±0.10
Φ7.0	7.5±0.3	0.30±0.08	≤3.50	0.56±0.10
Φ8.0	8.5±0.3	0.30±0.08	≤4.00	0.56±0.10
Φ9.0	9.5±0.3	0.30±0.08	≤4.50	0.56±0.10
Φ10	10.5±0.3	0.30±0.08	≤5.00	0.56±0.10
Φ11	11.5±0.3	0.30±0.08	≤5.50	0.56±0.10
Φ12	12.5±0.3	0.30±0.08	≤6.00	0.56±0.10
Φ13	13.5±0.3	0.35±0.10	≤6.50	0.69±0.10
Φ14	14.5±0.3	0.35±0.10	≤7.00	0.69±0.10
Φ15	15.5±0.4	0.35±0.10	≤7.50	0.69±0.10
Φ16	16.5±0.4	0.35±0.10	≤8.00	0.69±0.10
Φ17	17.5±0.4	0.35±0.10	≤8.50	0.69±0.10
Φ18	19.0±0.5	0.35±0.10	≤9.00	0.69±0.10
Φ20	22.0±0.5	0.40±0.12	≤10.0	0.83±0.15
Φ22	24.0±0.5	0.40±0.12	≤11.0	0.83±0.15
Φ25	26.0±0.5	0.45±0.15	≤12.5	0.89±0.15
Φ28	29.0±0.5	0.45±0.15	≤14.0	0.89±0.15
Φ30	31.5±1.0	0.50±0.15	≤15.0	1.00±0.15
Φ35	36.5±1.0	0.50±0.15	≤17.5	1.00±0.15
Φ40	41.5±1.0	0.55±0.15	≤20.0	1.00±0.15
Φ45	46.5±1.0	0.55±0.15	≤22.5	1.00±0.15
Φ50	≥50	0.55±0.15	≤25.0	1.10±0.15
Φ60	≥60	0.60±0.15	≤30.0	1.20±0.15
Φ70	≥70	0.65±0.15	≤35.0	1.30±0.20
Φ80	≥80	0.65±0.15	≤40.0	1.30±0.20
Φ90	≥90	0.65±0.15	≤45.0	1.30±0.20
Φ100	≥100	0.65±0.20	≤50.0	1.30±0.20
Φ120	≥120	0.65±0.20	≤60.0	1.30±0.20
Φ150	≥150	0.65±0.20	≤70.0	1.30±0.20
Φ180	≥180	0.65±0.30	≤90.0	1.30±0.30
Φ210	≥210	0.65±0.30	≤105.0	1.30±0.30
Φ230	≥230	0.65±0.30	≤115.0	1.30±0.30
Φ250	≥250	0.65±0.30	≤125.0	1.30±0.30

I size can be customized

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