



CUSTOM ELECTRICAL INSULATION

PVDF HEAT SHRINK TUBE

Technical data sheet - PVDF heat shrink tubing

SINCE 2017

ISO 9001

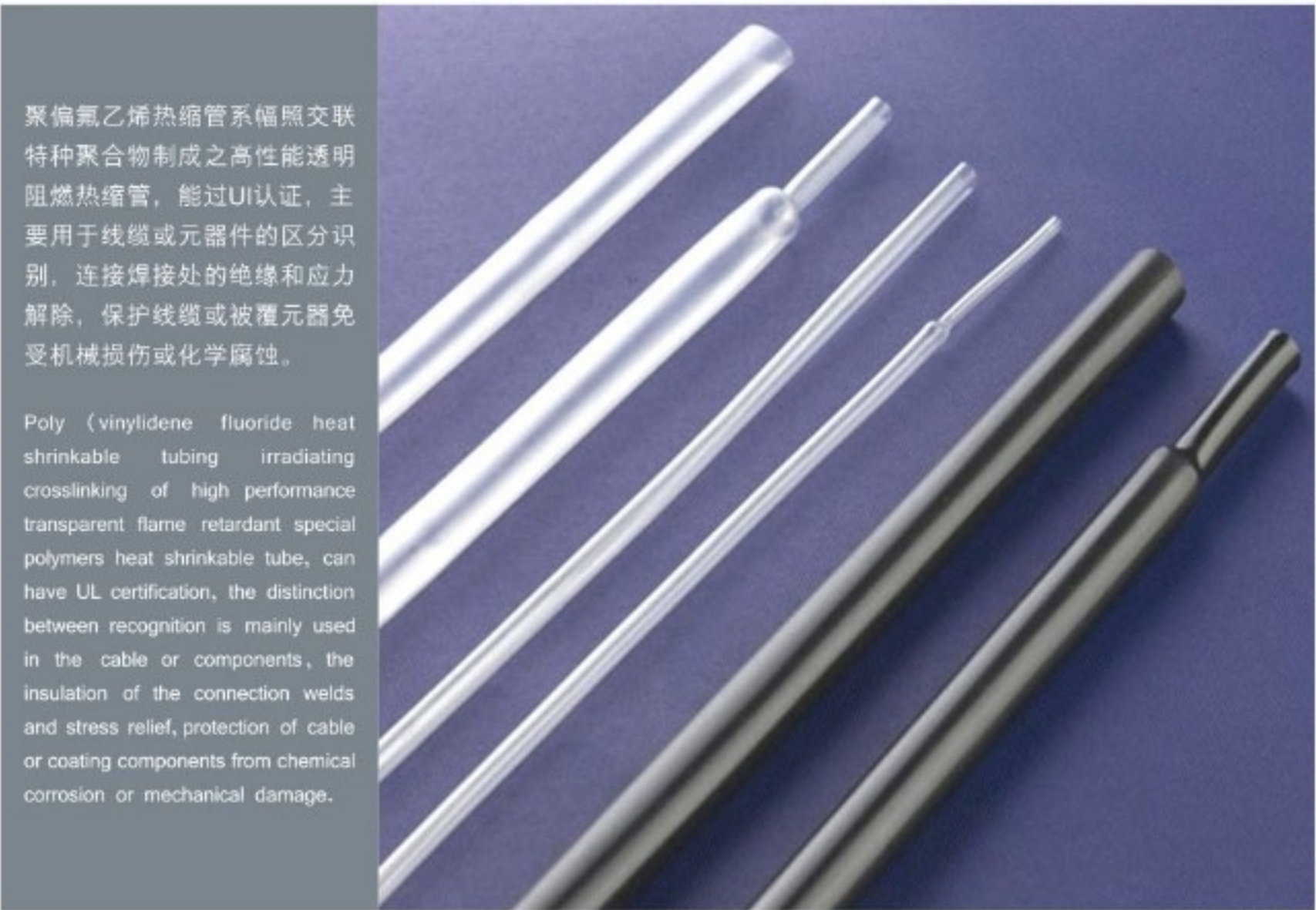
OEM / ODM

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PVDF聚偏氟乙烯热缩套管 PVDF Polyvinylidene Fluoride Heat Shrinkable Casing



聚偏氟乙烯热缩管系幅照交联特种聚合物制成之高性能透明阻燃热缩管，能过UL认证，主要用于线缆或元器件的区分识别，连接焊接处的绝缘和应力解除，保护线缆或被覆元器免受机械损伤或化学腐蚀。

Poly (vinylidene fluoride heat shrinkable tubing irradiating crosslinking of high performance transparent flame retardant special polymers heat shrinkable tube, can have UL certification, the distinction between recognition is mainly used in the cable or components, the insulation of the connection welds and stress relief, protection of cable or coating components from chemical corrosion or mechanical damage.

产品特点 Product features

- 收缩比2:1
- 透明、高阻燃
- 韧性好，优异的物理性能和耐化学腐蚀性能
- 不含氯化物PCBS、PCPS及多溴联苯PBBS、多溴氧化联苯PBBOS、多溴联苯醚PBBES、PBDES等对环境有害的物质，符合欧洲RoHS环保指令及SONY SS00259标准的环保要求。
- Low shrinkage ratio 2:1
- Low transparency, high flame retardant
- Good toughness, excellent physical properties and chemical corrosion resistance
- "Do not contain chlorine PCBS, PCPS and polybrominated biphenyl PBBS, polybrominated diphenyl oxide PBBOS, polybrominated diphenyl ether PBBES, PBDES harmful to the environment Material, in line with the European RoHS environmental directives and SONY SS00259 standard requirements of environmental protection.

温度范围 Temperature range

连续使用温度: -55℃~200℃ Continuous using low temperature:-55℃~200℃
最低起始收缩温度: 155℃ Low minimum initial shrinkage temperature: 155℃
最低完全收缩温度: 175℃ Low minimum completely shrink temperature: 175℃

认证/符合标准 Certification/up to the standard

UL224 VW-1
AMS-DTL-23053/18

性能指标 Performance indicators

特性 Features	项目 Project	指标要求 Index requirements	测试方法 The test method	典型值 Typical values
物理特性 Physical properties	抗张强度 Tensile strength	17.3MPa min.	ASTMD638	≥25MPa
	断裂伸长率 Elongation at break	1500% min	ASTMD638	≥300%
	热冲击(275℃,4小时) Thermal shock (275℃,4hours)	无裂痕 No cracks	ASTMD2671	通过 Through
	低温柔软性(-55℃,4小时) Low tender soft (55℃,4hours)	无裂痕 No cracks	ASTMD2671	通过 Through
	热老化158℃,168小时 Thermal aging 158℃, 168 hours			
	老化后断裂伸长率 Elongation at break after aging	100% min.	ASTMD638	≥100%
电学特性 Electrical characteristics	绝缘耐压和击穿 High voltage and breakdown	2500V,60sec,不击穿 2500v,60SEC,no breakdown	ASTMD2671	通过 Through
	体积电阻率 Volume resistivity	1014Ω·cm min.	ASTMD876	≥1014Ω·cm
化学特性 Chemical characteristics	腐蚀性 Corrosive	无腐蚀 No corrosion	ASTMD2671	通过 Through
	阻燃性 Flame retardant	Vw-1	UI224	通过 Through

规格尺寸 Size

规格(Inch)	内径(mm/inch) Inside diameter		壁厚 (mm/inch) Wall thickness	包装(m/卷) Packaging (m/roll)
	收缩前(min) Before the contract	收缩后(max) After contracting	收缩后 After the contract	
3/64	1.2(0.046)	0.6(0.023)	0.25±0.05(0.010±0.002)	1.2
1/16	1.6(0.063)	0.8(0.031)	0.25±0.05(0.010±0.002)	1.2
3/32	2.4(0.093)	1.2(0.046)	0.25±0.05(0.010±0.002)	1.2
1/8	3.2(0.125)	1.6(0.063)	0.25±0.05(0.010±0.002)	1.2
3/16	4.8(0.187)	2.4(0.093)	0.25±0.05(0.010±0.002)	1.2
1/4	6.4(0.250)	3.2(0.125)	0.30±0.08(0.012±0.003)	1.2
5/16	7.9(0.3125)	4.0(0.15748)	0.30±0.08(0.012±0.003)	1.2
3/8	9.5(0.375)	4.8(0.187)	0.30±0.08(0.012±0.003)	1.2
1/2	12.7(0.500)	6.4(0.250)	0.30±0.08(0.012±0.003)	1.2
3/4	19.1(0.750)	9.5(0.375)	0.43±0.08(0.017±0.003)	1.2
1	25.4(1.000)	12.7(0.500)	0.48±0.08(0.019±0.003)	1.2
1 1/2	38.1(15.00)	19.0(0.750)	0.51±0.08(0.020±0.003)	1.2
2	50.8(2.000)	25.4(1.000)	0.58±0.08(0.023±0.003)	1.2

- 特殊尺寸可订制
Special size can be customized
- 颜色透明，其它颜色可订做
Transparent, other color can be customized