

Purafluo

260°C PFA Heat Shrink Tubing
260°C PFA热缩管

耐高温260°C, 高透明防腐, 高端绝缘保护
260°C Heat Resistant, Ultra-Clear & Anti-Corrosion, Premium Insulation

PFA热缩管 (Purafluo-PF) 选用高性能可溶性聚四氟乙烯 (PFA) 材料, 专为极端高温 (高达 260°C)、强腐蚀和高绝缘需求而设计。相比PTFE热缩管, Purafluo-PF拥有更优异的透明度, 能够在严苛化学与热环境下, 为线缆、元器件提供可靠的绝缘与机械防护。其广泛应用于电子、电热、航天、军事、通讯等高科技行业, 是追求高透明度和极致性能用户的理想选择。

Purafluo-PF PFA heat shrink tubing is crafted from high-performance, soluble polytetrafluoroethylene (PFA), engineered for applications that demand extreme temperature resistance (up to 260°C), outstanding chemical inertness, and superior electrical insulation. Compared to PTFE tubing, Purafluo-PF offers exceptional clarity, delivering reliable insulation and robust mechanical protection for wires and components in harsh chemical and thermal environments. Ideal for electronics, heating equipment, aerospace, military, and communication industries, Purafluo-PF is the preferred solution for users who require both superior clarity and high-performance 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	/	/	-65°C to +260°C
完全收缩温度 Full recovery temperature	/	/	+300 °C to +310 °C
吸水率 Water Absorption	≤0.03%	ASTM D 570	≤0.03%
硬度 Hardness	55 - 60 Shore D	ASTM D 2240	55 - 60 Shore D
抗拉强度 Tensile Strength	28 - 30 MPa	ASTM D 638	28 - 30 MPa
断裂伸长率 Elongation at Break	≥ 300%	ASTM D 638	≥ 300%
弹性模量 Modulus of Elasticity	451 MPa	ASTM D 638	451 MPa
弯曲模量 Flexural Modulus	625 - 686 MPa	ASTM D 790	625 - 686 MPa
摩擦系数 Friction coefficient	0.04 - 0.06	ASTM D 1894	0.04 - 0.06
介电强度 Dielectric Strength	508 - 2000 V/mil	ASTM D 149	508 - 2000 V/mil
体积电阻率 Volume resistivity	< 10 ¹⁸ Ω-cm	ASTM D 257	< 10 ¹⁸ Ω-cm
介电常数 Dielectric Constant	2.03 - 2.10	ASTM D 150	2.03 - 2.10

- 收缩比1.25:1
 - 高性能PFA材质, 优异透明度与高阻燃性
 - 耐高温达260°C, 机械强度出色
 - 卓越耐化学腐蚀, 适合极端环境保护
 - 广泛应用于电子、电热、航天、军工及通信等高要求领域
- Shrink ratio 1.25:1
 - High-performance PFA material, excellent clarity and flame resistance
 - Temperature resistant up to 260°C, superior mechanical strength
 - Outstanding chemical resistance, suitable for extreme environments
 - Widely used in electronics, heating, aerospace, military, and communications

符合标准 Standards

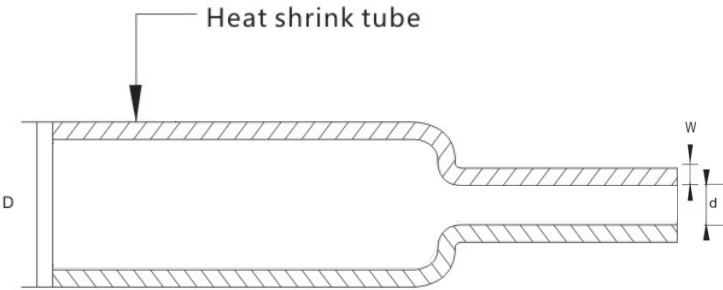
- RoHS;
- REACH

颜色 COLOR



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标准壁厚 Standard wall thickness					
收缩比 Shrink Ratio	编号 Part No.	收缩前 As supplied (mm)		收缩后 After recovered (mm)	
		内径 I.D (D)	壁厚 W.T. (W)	最大内径 I.D.max (d)	壁厚 W.T. (w)
1.25:1	Purafluo-PF-2	2.0±0.2	0.15±0.03	1.6	0.20±0.03
	Purafluo-PF-3	3.0±0.2	0.15±0.03	2.3	0.20±0.03
	Purafluo-PF-4	4.0±0.2	0.15±0.03	3.1	0.20±0.03
	Purafluo-PF-5	5.0±0.2	0.15±0.03	3.8	0.20±0.03
	Purafluo-PF-6	6.0±0.3	0.15±0.03	4.6	0.20±0.03
	Purafluo-PF-7	7.0±0.3	0.15±0.03	5.4	0.20±0.03
	Purafluo-PF-8	8.0±0.3	0.15±0.03	6.2	0.20±0.03
	Purafluo-PF-9	9.0±0.3	0.15±0.03	6.9	0.20±0.03
	Purafluo-PF-10	10.0±0.3	0.15±0.03	7.7	0.20±0.03
	Purafluo-PF-11	11.0±0.3	0.20±0.05	8.5	0.25±0.05

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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