

Tefrius

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

耐高温耐腐, 低摩擦防护
High Temp & Chemical Resistant, Low Friction Protection

PTFE热缩管 (Tefrius-PT) 采用高纯度聚四氟乙烯 (PTFE) 材料制成, 针对极端高温 (最高 260°C)、强腐蚀和高绝缘要求的环境精心设计。其卓越的机械强度和极低摩擦系数, 非常适合用于液压管道、管道接口及轴类部件的保护, 有效防止腐蚀和磨损。Tefrius-PT 广泛应用于电子、电热、航天、军工和通信等高端行业, 是关键部件在严苛工况下实现长期可靠运行的理想选择。

Tefrius-PT PTFE heat shrink tubing is manufactured from high-purity polytetrafluoroethylene (PTFE), specifically engineered for applications subject to extreme temperatures (up to 260°C), aggressive chemicals, and demanding insulation needs. With outstanding mechanical strength and an exceptionally low coefficient of friction, Tefrius-PT is ideal for protecting hydraulic hoses, pipe junctions, and bearing shafts, effectively preventing corrosion and wear. It is widely used in electronics, heating systems, aerospace, military, and communications, making it the preferred solution for safeguarding critical components in harsh and demanding 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 +260°C
完全收缩温度 Full recovery temperature	/	/	+350 °C
纵向收缩率 Longitudinal shrinkage	≤15%	ASTM D 2671	≤15%
抗张强度 Tensile strength	≥19MPa	ASTM D 2671	≥19MPa
断裂伸长率 Elongation at break	≥200%	ASTM D 2671	≥200%
介电强度 Dielectric Strength	≥26kV/mm	ASTM D 2671	≥26kV/mm
体积电阻率 Volume resistivity	≥10 ¹⁴ Ω·cm	ASTM D 2671	≥10 ¹⁴ Ω·cm

- 收缩比1.7:1、4:1
 - 高纯度PTFE材质, 优异阻燃性和极低摩擦系数
 - 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
 - 广泛应用于液压管道、轴类、电子、航天等高端领域
- Shrink ratio 1.7:1, 4:1
 - High-purity PTFE material, excellent flame resistance, ultra-low friction coefficient
 - Temperature resistant up to 260°C, superior mechanical strength
 - Outstanding chemical resistance, suitable for extreme environments
 - Widely used for hydraulic hoses, shafts, electronics, aerospace

符合标准 Standards

- RoHS;
 - REACH

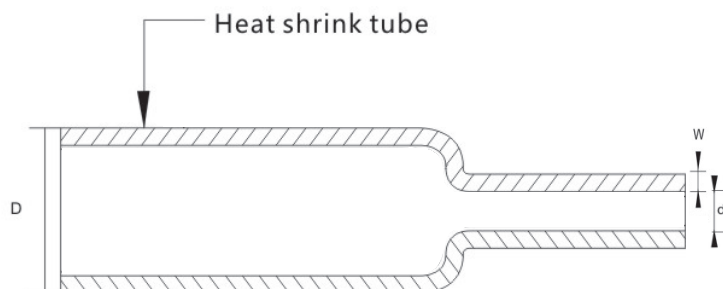
颜色 COLOR



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标准壁厚 Standard wall thickness					
收缩比 Shrink Ratio	编号 Part No.	规格 Size (Φ mm)	收缩前 As supplied (mm)	收缩后 After recovered (mm)	
			内径 I.D (D)	最大内径 I.D.max (d)	壁厚 W.T. (w)
1.7:1	Tefrius-PT-1.7x1	1.0	1.0±0.2	0.6	0.20±0.05
	Tefrius-PT-1.7x1.5	1.5	1.5±0.2	0.9	0.20±0.05
	Tefrius-PT-1.7x2	2.0	2.0±0.2	1.3	0.20±0.05
	Tefrius-PT-1.7x2.5	2.5	2.5±0.2	1.5	0.20±0.05
	Tefrius-PT-1.7x3	3.0	3.0±0.2	1.8	0.20±0.05
	Tefrius-PT-1.7x3.5	3.5	3.5±0.2	2.0	0.20±0.05
	Tefrius-PT-1.7x4	4.0	4.0±0.3	2.5	0.25±0.05
	Tefrius-PT-1.7x4.5	4.5	4.5±0.3	2.8	0.25±0.05
	Tefrius-PT-1.7x5	5.0	5.0±0.3	3.0	0.25±0.05
	Tefrius-PT-1.7x6	6.0	6.0±0.3	3.8	0.25±0.05
	Tefrius-PT-1.7x7	7.0	7.0±0.3	4.0	0.25±0.05
	Tefrius-PT-1.7x8	8.0	8.0±0.3	4.8	0.25±0.05
	Tefrius-PT-1.7x9	9.0	9.0±0.3	5.0	0.30±0.05
	Tefrius-PT-1.7x10	10.0	10.0±0.3	5.8	0.30±0.05
	Tefrius-PT-1.7x11	11.0	11.0±0.3	6.4	0.30±0.05
	Tefrius-PT-1.7x12	12.0	12.0±0.3	7.0	0.30±0.05
	Tefrius-PT-1.7x13	13.0	13.0±0.3	7.5	0.35±0.05
	Tefrius-PT-1.7x14	14.0	14.0±0.3	8.0	0.35±0.05
	Tefrius-PT-1.7x15	15.0	15.0±0.3	8.5	0.40±0.05
	Tefrius-PT-1.7x16	16.0	16.0±0.3	9.0	0.40±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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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)	
			最小内径 I.D. min (D)	最大内径 I.D.max (d)	壁厚 W.T. (w)
4:1	Tefrius-PT-4x1.9	1.981	1.981	0.635	0.229±0.051
	Tefrius-PT-4x3.1	3.175	3.175	0.940	0.305±0.051
	Tefrius-PT-4x4.7	4.750	4.750	1.270	0.305±0.051
	Tefrius-PT-4x6.3	6.350	6.350	1.600	0.305±0.051
	Tefrius-PT-4x7.9	7.925	7.925	1.981	0.305±0.051
	Tefrius-PT-4x9.5	9.525	9.525	2.438	0.305±0.051
	Tefrius-PT-4x11.1	11.125	11.125	2.845	0.305±0.051
	Tefrius-PT-4x12.7	12.700	12.700	3.658	0.381±0.102
	Tefrius-PT-4x14.2	14.275	14.275	3.937	0.381±0.102
	Tefrius-PT-4x15.8	15.875	15.875	4.521	0.381±0.102
	Tefrius-PT-4x17.4	17.450	17.450	5.029	0.381±0.102
	Tefrius-PT-4x19.0	19.050	19.050	5.690	0.381±0.102
	Tefrius-PT-4x22.2	22.225	22.225	6.198	0.381±0.102
	Tefrius-PT-4x25.4	25.400	25.400	7.061	0.381±0.102
	Tefrius-PT-4x31.7	31.750	31.750	8.814	0.381±0.102
	Tefrius-PT-4x38.1	38.100	38.100	10.160	0.381±0.102
	Tefrius-PT-4x44.4	44.450	44.450	11.430	0.381±0.102
	Tefrius-PT-4x50.8	50.800	50.800	13.208	0.508±0.127
	Tefrius-PT-4x57.1	57.150	57.150	14.859	0.508±0.127
	Tefrius-PT-4x63.5	63.500	63.500	16.510	0.508±0.127
	Tefrius-PT-4x69.8	69.850	69.850	18.034	0.508±0.127
	Tefrius-PT-4x76.2	76.200	76.200	19.685	0.508±0.127
	Tefrius-PT-4x82.5	82.550	82.550	21.209	0.508±0.127
	Tefrius-PT-4x88.9	88.900	88.900	22.860	0.635±0.127
	Tefrius-PT-4x95.2	95.250	95.250	24.384	0.635±0.127
	Tefrius-PT-4x101.6	101.600	101.600	26.035	0.635±0.127

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