

Feptron

200°C FEP Heat Shrink Tubing
200°C FEP热缩管

高温耐腐, 透明绝缘, 高端防护
High Temp & Chemical Resistant, Clear Insulation, Advanced Protection

FEP热缩管 (Feptron-FE) 采用高纯度聚全氟乙丙烯 (FEP) 材料制成, 专为对高温、耐腐蚀和高绝缘要求极高的应用场景开发。其优异的透明度、机械强度和化学稳定性, 使其在电子、电热、航天、军事和通信等高科技领域成为理想的线缆与元器件保护方案。无论是在极端化学环境还是高温工况下, Feptron-FE都能为您的系统提供可靠的绝缘与机械防护, 是要求高效能与高安全性的行业用户的首选。

Feptron-FE FEP heat shrink tubing is manufactured from high-purity fluorinated ethylene propylene (FEP), designed for applications requiring exceptional heat resistance, chemical stability, and electrical insulation. With outstanding clarity, mechanical strength, and inertness, it is widely utilized for cable and component protection in electronics, heating equipment, aerospace, military, and communications industries. Whether facing aggressive chemicals or sustained high temperatures, Feptron-FE ensures reliable insulation and robust mechanical safeguarding, making it the top choice for demanding, safety-critical 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	/	/	-65°C to +200°C
收缩温度 Full recovery temperature	/	/	+200 °C~270°C
纵向收缩率 Longitudinal shrinkage	±15%	ASTM D 2671	±15%
抗张强度 Tensile strength	≥13.8MPa	ASTM D 2671	≥13.8MPa
断裂伸长率 Elongation at break	≥200%	ASTM D 2671	≥200%
低温柔软性 Low-temperature flexibility	无裂痕 No Cracking	AMS-DTL-23053 (-65°C, 4hrs)	无裂痕 No Cracking
绝缘耐压和击穿 Dielectric voltage withstand	无击穿 No Breakdown	ASTM D 2671 (4000V, 60s)	无击穿 No Breakdown
介电强度 Dielectric strength	≥19.7kV/mm	ASTM D 2671	≥19.7kV/mm

- 收缩比1.3:1、1.6:1、2:1
- 高纯度FEP材质, 极佳透明度与高阻燃性
- 耐高温达200°C, 出色的机械强度
- 卓越耐化学腐蚀, 适用于极端环境
- 广泛应用于电子、电热、航天、军工及通信等高要求领域
- Shrink ratio 1.3:1, 1.6:1, 2:1
- High-purity FEP material with excellent clarity and high flame resistance
- High temperature resistance up to 200°C, superior mechanical strength
- Exceptional chemical resistance, suitable for harsh environments
- Widely used in electronics, heating, aerospace, military, communications

符合标准 Standards

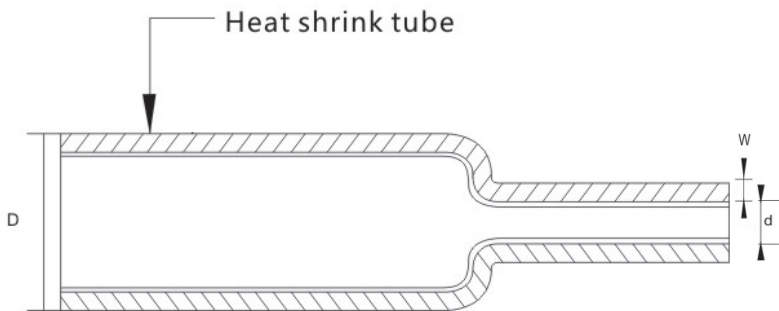
- RoHS;
- REACH

颜色 COLOR



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标准壁厚 Standard wall thickness					
收缩比 Shrink Ratio	编号 Part No.	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)
1.3:1	Feptron-FE-1.3x0.78	0.787	0.787	0.686	0.203±0.051
	Feptron-FE-1.3x0.91	0.914	0.914	0.813	0.203±0.051
	Feptron-FE-1.3x1.14	1.143	1.143	0.991	0.203±0.051
	Feptron-FE-1.3x1.52	1.524	1.524	1.245	0.203±0.051
	Feptron-FE-1.3x1.90	1.905	1.905	1.549	0.229±0.051
	Feptron-FE-1.3x2.33	2.337	2.337	1.829	0.229±0.051
	Feptron-FE-1.3x2.92	2.921	2.921	2.261	0.229±0.051
	Feptron-FE-1.3x3.58	3.581	3.581	2.896	0.254±0.076
	Feptron-FE-1.3x4.01	4.013	4.013	3.150	0.254±0.076
	Feptron-FE-1.3x4.57	4.572	4.572	3.632	0.254±0.076
	Feptron-FE-1.3x5.00	5.004	5.004	4.013	0.279±0.102
	Feptron-FE-1.3x5.71	5.715	5.715	4.572	0.279±0.102
	Feptron-FE-1.3x6.29	6.299	6.299	5.029	0.279±0.102
	Feptron-FE-1.3x7.36	7.366	7.366	5.740	0.279±0.102
	Feptron-FE-1.3x7.87	7.874	7.874	6.325	0.279±0.102
	Feptron-FE-1.3x9.27	9.271	9.271	7.112	0.305±0.102
	Feptron-FE-1.3x10.1	10.160	10.160	7.899	0.305±0.102
	Feptron-FE-1.3x11.1	11.176	11.176	8.865	0.305±0.102
	Feptron-FE-1.3x12.7	12.700	12.700	9.728	0.381±0.102
	Feptron-FE-1.3x14.7	14.732	14.732	11.379	0.508±0.102
	Feptron-FE-1.3x16.9	16.916	16.916	12.954	0.508±0.102
	Feptron-FE-1.3x21.0	21.082	21.082	16.180	0.635±0.102
	Feptron-FE-1.3x25.4	25.400	25.400	19.406	0.762±0.102
	Feptron-FE-1.3x29.7	29.718	29.718	22.631	0.889±0.102
	Feptron-FE-1.3x33.7	33.782	33.782	25.908	0.889±0.102
	Feptron-FE-1.3x38.1	38.100	38.100	29.083	0.889±0.102
	Feptron-FE-1.3x42.3	42.316	42.316	32.258	0.889±0.102
	Feptron-FE-1.3x46.5	46.558	46.558	35.306	0.889±0.102
	Feptron-FE-1.3x50.8	50.800	50.800	39.878	0.889±0.102

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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			最小内径 I.D. min (D)	最大内径 I.D.max (d)	壁厚 W.T. (w)
1.6:1	Feptron-FE-1.6x2.3	2.38	2.38	1.422	0.203±0.076
	Feptron-FE-1.6x3.1	3.18	3.18	1.905	0.254±0.076
	Feptron-FE-1.6x4.7	4.76	4.76	2.921	0.254±0.076
	Feptron-FE-1.6x6.3	6.35	6.35	3.810	0.254±0.076
	Feptron-FE-1.6x9.5	9.53	9.53	5.715	0.305±0.076
	Feptron-FE-1.6x12.7	12.70	12.70	7.620	0.381±0.102
	Feptron-FE-1.6x19.0	19.05	19.05	11.430	0.508±0.102
	Feptron-FE-1.6x25.4	25.40	25.40	15.240	0.635±0.127
	Feptron-FE-1.6x38.1	38.10	38.10	22.860	0.762±0.127
	Feptron-FE-1.6x50.8	50.80	50.80	30.480	0.762±0.127

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)	
		最小内径 I.D. min (D)	最大内径 I.D.max (d)	壁厚 W.T. (w)
2:1	Feptron-FE-2x	0.864~12.700	0.432~6.350	0.330~0.457±0.076

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