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FEP Heat Shrink Tube



Model: FEPST

Application

FEPST Heat shrinkable tubing is made of FEP, with excellent 200°C high-temperature performance, chemical resistance, high insulation and mechanical properties, FEP have outstanding abration resistance and clarity features, designed to provide insulation and mechanical protection in several chemical and thermal environments, widely used in electronic, aerospace, military and communication fields.

Features

1. Shrink ratio 1.25:1
2. Excellent Clarity
3. High flame resistance
4. High temperature resistant to 200°C
5. Superior physical and chemical properties
6. RoHS and RECH compliant
7. Continuous Operating Temperature: -65 °C to 200 °C
8. Minimum fully recovery temperature: 210 °C
9. Comply with SAE AMS-DTL-23053/11

Product Size:

规格 Size	收缩前 (mm) As supplied		完全收缩后 (mm) After recovered		标准包装 (m/条, m/卷) Standard packing (m/pc, m/ roll)
	内径 (min.) Inside diameter	内径 (max.) Inside diameter	胶厚 Adhesive thickness		
Φ2.5	2.5	2.0	0.20±0.05	100	
Φ3.5	3.5	2.8	0.25±0.05	100	
Φ4.7	4.7	3.8	0.25±0.05	1.0	
Φ5.5	5.5	4.5	0.25±0.05	1.0	
Φ7	7	5.6	0.25±0.05	1.0	
Φ9	9	7.5	0.30±0.05	1.0	
Φ11.5	11.5	9.3	0.35±0.05	1.0	
Φ14.5	14.5	11.7	0.35±0.05	1.0	
Φ19	19.0	15.3	0.35±0.05	1.0	
Φ24	24.0	19.3	0.50±0.10	1.0	
Φ28	28.0	22.5	0.50±0.10	1.0	
Φ35	35.0	28.1	0.50±0.10	1.0	
Φ44	44.0	36.1	0.50±0.10	1.0	
Φ54	54.0	43.3	0.50±0.10	1.0	
Φ66	66.0	52.9	0.50±0.10	1.0	
Φ78	78.0	62.5	0.50±0.10	1.0	
Φ90	90.0	72.1	0.50±0.10	1.0	
Φ103	103	82.5	0.50±0.10	1.0	
Φ120	120	105	0.60±0.10	1.0	

Technical Data

性能 Property	指标要求 Requirement	测试方法 Test method	典型值 Typical data
纵向收缩率 Longitudinal shrinkage	≤ 5%	ASTM D 2671	≤ 3%
抗张强度 Tensile strength	13.8 MPa min.	ASTM D 638	≥ 19 MPa
断裂伸长率 Elongation at break	150% min.	ASTM D 638	≥ 250%
老化后抗张强度 (热老化 232°C, 168 小时) Tensile strength after ageing (232°C, 168hrs)	9.7 MPa min.	ASTM D 638	≥ 14 MPa
老化后断裂伸长率 (热 老化 200°C, 168 小时) Elongation after ageing (200°C, 168hrs)	100% min.	ASTM D 638	≥ 250%
热冲击 (260°C, 4 小时) Heat shock(260°C, 4hrs)	无裂痕 No crack	ASTM D 2671	无裂痕 No crack
低温柔软性 (-65°C, 4 小时) Low-temperature flexibility(-65°C, 4hrs)	无裂痕 No crack	ASTM D 2671	无裂痕 No crack
绝缘耐压和击穿 Dielectric voltage withstand	2500V,60sec, 不击穿 2500V,60sec, no breakdown	ASTM D 2671	通过 pass
体积电阻率 Volume resistivity	10 ¹⁵ Ω·cm min.	ASTM D 876	≥ 10 ¹⁶ Ω·cm
腐蚀性 Corrosion	无腐蚀 No corrosion	ASTM D 2671	无腐蚀 No corrosion
阻燃性 Flammability	VW-1	UL224	通过 pass
介电常数 Dielectric constant			2.1
摩擦系数 Friction coefficient			0.2-0.3