

## C-13 175°C 氟塑料(PVDF)热缩套管 Transparent, High Temperature, Polyvinylidene Fluoride(PVDF) Heat Shrinkable Tubing



### 产品特性:

- 耐高温, 高阻燃
- 耐磨损, 耐刺穿
- 抗化学试剂及溶剂, 耐腐蚀及耐候
- 径向收缩比: 2:1, 轴向收缩率≤10%
- 收缩温度: 开始收缩温度155°C, 完全收缩温度175°C
- 工作温度: -55°C~175°C

### Features:

- High temperature, highly flame retardant
- Tough, semirigid, high withstand to abrasion and cut-through
- Excellent chemical and solvent resistance
- 2:1 shrink ratio (Radial change), shrink ratio in longitudinal≤10%
- Min. shrink temperature: 155°C; Full recovery temperature: 175°C
- Continuous Operating Temperature: -55°C~175°C



### 用途:

用于高温, 抗机械摩擦和化学腐蚀的场合, 透明的半硬型材料给目测提供了方便, 同时提供绝缘, 应力解除。用于电子元件的保护, 电阻电容器、热电偶的绝缘及保护, 各种金属线类的机械保护, 电线末端、接续、端子的绝缘、保护和补强等。  
中科英华(原长春热缩)系直九标准推荐生产厂家

### Applications:

Especially suitable for applications requiring high temperature performance, outstanding abrasion resistance and cut-through resistance, or superior chemical and solvent properties. Provides electrical insulation and strain relief of multipin connectors and solder joints. Ideal for applications that require dense packing of components or visual inspection of covered components.

### 技术指标 Performance

项目 Items	性能 Property	指标 Requirements	典型值 Typical Performance	测试标准 Test Method
机械性能 Mechanical	拉伸强度 Tensile Strength	>34Mpa	40Mpa	ASTM D2671
	断裂伸长率 Ultimate elongation	≥200%	450%	ASTM D2671
	老化后断裂伸长率 (220°C/168hrs) Ultimate elongation after Heat Aging (220°C/168hrs)	>50%	120%	ASTM D2671
	热冲击(300°C/4hrs) Heat Shock(300°C/4hrs)		No dripping	ASTM D2671
	低温柔韧性(-40°C/4hrs) Low Temperature Flexibility(-40°C/4hrs)		Pass	ASTM D2671
电性能 Electrical	介电强度 Dielectric Strength	>25kV/mm	33kV/mm	ASTM D2671
	体积电阻率 Volume Resistivity	>10 <sup>13</sup> Ω .cm	>10 <sup>14</sup> Ω .cm	ASTM D 257
化学性能 Chemical	铜腐蚀(220°C/168hrs) Copper Corrosion(220°C/168hrs)	No Corrosion	Pass	ASTM D2671
	铜稳定(121°C/168hrs) Stability(121°C/168hrs)	Elongation>70%	Pass	UL224
	阻燃性能 Flammability		Highly Flame Retardant	ASTM D2671
	吸水率 Water Absorption	<0.5%	<0.5%	ASTM D570

## 规格尺寸 Dimensions

规格 ORDER REF.Size			内径 Inside Diameter				完全收缩后平均壁厚 Recovered Wall Thickness After Heating(NOM)	
			收缩前最小内径 Minimum Expanded as Supplied		收缩后最大内径 Maximum Recovered After Heating			
mm	Inch	*Z9规格	mm	inch	mm	inch	mm	inch
1.2	3/64	FS2/1	1.20	0.047	0.60	0.024	0.25±0.1	0.010±0.004
1.6	1/16	FS2/2	1.60	0.063	0.80	0.032	0.25±0.1	0.010±0.004
2.4	3/32	FS2/3	2.40	0.094	1.20	0.047	0.25±0.1	0.010±0.004
3.2	1/8	FS2/4	3.20	0.126	1.60	0.063	0.25±0.1	0.010±0.004
4.8	3/16	FS2/5	4.80	0.189	2.40	0.095	0.30±0.1	0.012±0.004
6.4	1/4	FS2/6	6.40	0.252	3.20	0.126	0.30±0.1	0.012±0.004
9.6	3/8	FS2/7	9.60	0.378	4.80	0.189	0.30±0.1	0.012±0.004
12.8	1/2	FS2/8	12.80	0.504	6.40	0.252	0.30±0.1	0.012±0.004
19	3/4	FS2/9	19.00	0.748	9.50	0.374	0.40±0.1	0.016±0.004
25.4	1	FS2/10	25.40	1.000	12.70	0.500	0.50±0.1	0.020±0.004
38	1 1/2	FS2/11	38.00	1.496	19.00	0.748	0.50±0.1	0.020±0.004

备注：Z9是指航空航藏工业部直九标准 Z9-0753-91。