

## C-2(HF) 125°C 无卤阻燃绝缘热缩套管

Halogen free, Flame retardant, environmental-friendly, Heat shrinkable Insulating polyolefin tubing



### 产品特性:

- 低烟、无卤、环保、阻燃
- 径向收缩比: 2:1, 轴向收缩率≤5%
- 收缩温度: 开始收缩温度70°C, 完全收缩温度110°C
- 工作温度: -30°C~125°C
- 产品通过UL 224、CSA22.2认证
- 符合SONY STANDARD SS-00259标准
- 阻燃: 通过VW-1阻燃测试
- 抗化学试剂及溶剂, 耐腐蚀及耐候

### Features:

- Halogen free, environmental-friendly
- Shrink ratio (Radial change): 2:1, shrink ratio in longitudinal≤5%
- Min. shrink temperature: 70°C; Full recovery temperature: 110°C
- Continuous Operating Temperature: -30°C~125°C
- Specifications / Approvals: UL 224, CSA22.2
- Meet SONY STANDARD SS-00259 requirement
- Flame-retardant: Pass VW-1 flame test
- Excellent chemical and solvent resistance properties



FLAME  
RETARDANT  
阻燃



SHRINK  
RATIO 2:1  
收缩比 2:1

### 用途:

无卤阻燃热缩管是新一代的环保阻燃热缩制品, 推荐用于建筑、铁路、地铁、船舶、航空等要求无卤阻燃的场合。由于该制品采用了全新的阻燃体系, 即使被明火燃烧时, 释放出来的是二氧化碳气体和水蒸汽, 不会产生其他有毒、腐蚀性气体。此产品不但保持了普通热缩管的耐油、耐磨、绝缘、防腐、阻燃等特性, 还具有低烟、无卤、无毒等优点, 不仅充分开发了材料的潜能, 并可满足当前市场对制品环保的要求。

### Applications:

Halogen free, Flame retardant, Heat shrinkable polyolefin tubing, typically used where halogen, PBBEs, PBBOs or PBBs are forbidden and environmental-friendly is requirement. Widely used in fields of automotive, electronics, military, marine and aerospace.

### 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	≥10.4MPa	13MPa	UL 224
	断裂伸长率	Ultimate elongation	≥200%	450%	UL 224
	老化后拉伸强度 (158°C/168hrs)	Tensile Strength after Heat Aging (158°C/168hrs)	≥7.3MPa	11MPa	UL 224
	老化后断裂伸长率 (158°C/168hrs)	Ultimate elongation after Heat Aging (158°C/168hrs)	≥100%	360%	UL 224
	最大正切模量	Maximum secant modulus	≤173 MPa (25 000 psi)	≤173 MPa (25 000 psi)	UL 224
	热冲击(250°C/4hrs)	Heat shock(250°C/4hrs)	No cracking	Pass	UL 224
	冷弯曲(-30°C/1hr)	Cold bend(-30°C/1hr)	No cracking	Pass	UL 224
电性能 Electrical	耐压	Dielectric withstand voltage	AC.2.5kV/60seconds	Pass	UL 224
	介电强度	Dielectric breakdown voltage	>25kV/mm	Pass	UL 224
	体积电阻率	Volume Resistivity	>10 <sup>14</sup> Ω.cm	>10 <sup>15</sup> Ω.cm	ASTM D 257
化学性能 Chemical	铜腐蚀(158°C/168hrs)	Copper Corrosion(158°C/168hrs)	No Corrosion	Pass	UL 224
	铜稳定	Stability	Elongation>100%	>200%	UL 224
	燃烧性能	Flammability	Pass	Pass	UL VW-1

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	mm	inch	mm	inch	mm	inch
0.8	3/64	0.90	0.035	0.40	0.016	0.18	0.007
1	1/16	1.30	0.051	0.50	0.020	0.18	0.007
1.5	3/32	1.80	0.071	0.75	0.030	0.20	0.008
2	7/64	2.30	0.090	1.00	0.039	0.22	0.009
2.5	1/8	2.80	0.102	1.25	0.049	0.25	0.010
3	9/64	3.30	0.130	1.50	0.059	0.25	0.010
3.5	5/32	3.80	0.149	1.75	0.069	0.25	0.010
4	3/16	4.30	0.169	2.00	0.079	0.25	0.010
4.5	13/64	5.00	0.197	2.25	0.089	0.25	0.010
5	7/32	5.30	0.208	2.50	0.098	0.25	0.010
6	1/4	6.30	0.248	3.00	0.118	0.25	0.010
7	19/64	7.20	0.283	3.50	0.138	0.25	0.010
8	11/32	8.10	0.319	4.00	0.157	0.30	0.012
9	3/8	9.10	0.358	4.50	0.177	0.30	0.012
10	13/32	10.10	0.397	5.00	0.197	0.30	0.012
11	29/64	11.10	0.437	5.50	0.217	0.60	0.024
12	1/2	12.10	0.476	6.00	0.236	0.60	0.024
13	17/32	13.10	0.515	6.50	0.256	0.60	0.024
14	37/64	14.20	0.559	7.00	0.276	0.60	0.024
15	39/64	15.20	0.598	7.50	0.295	0.65	0.026
16	21/32	16.30	0.641	8.00	0.315	0.65	0.026
18	3/4	18.30	0.720	9.00	0.354	0.75	0.030
20	53/64	20.70	0.815	10.00	0.394	0.80	0.031
22	29/32	22.70	0.893	11.00	0.433	0.80	0.031
25	1	26.00	1.023	12.00	0.472	0.90	0.035
28	17/64	29.00	1.141	14.00	0.551	0.90	0.035
30	11/4	31.00	1.220	15.00	0.591	0.90	0.035

