

C-2(T) 125°C 环保阻燃超薄绝缘热缩套管

Environmental-friendly, Flame retardant, Ultra thin wall, Heat shrinkable Insulating polyolefin tubing



产品特性:

- 管壁薄
- 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90°C
- 工作温度: -30°C~125°C
- 产品通过UL 224及CSA22.2认证:
UL 编号 E142415, CSA 编号 LR108142-1
- 阻燃: 通过VW-1阻燃测试
- 柔软
- 抗化学制品及溶剂, 耐腐蚀及耐候
- 符合欧盟ROHS指令要求

Features:

- Ultra thin wall
- Shrink ratio (Radial change): 2:1, shrink ratio in longitudinal≤5%
- Min. shrink temperature: 70°C; Full recovery temperature: 90oC
- Continuous Operating Temperature: -30°C~125°C
- Specifications / Approvals:UL 224, CSA22.2
UL File NO.E142415, CSA File NO.LR108142-1
- Flame-retardant: Pass VW-1 flame test
- Very flexible
- Excellent chemical and solvent resistance properties
- Meet ROHS(Restriction of use of certain Hazardous Substances)requirement



用途:

推荐用于对空间及重量要求较高的场合, 也适用于电线电缆、电子线束以及各种接线端子、连接部件、焊点处的绝缘防护和补强, 机械应力消除, 线束绑扎和颜色标记, 机械保护。

Applications:

CIAC®C-2(T), very thin wall which provides space savings, rapid shrinking and reduces installation time, typically used where space or weight saving is important. Offers the ability to pack components more closely than is possible with standard tubings and electrical insulation, strain relief, color coding, cable bundling, light harness jacketing, identification of wires, cables, pipes, and electrical and electronic components, and mechanical protection where UL or CSA recognition as VW-1 rated material is desirable.

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 ¹⁴ Ω.cm	>10 ¹⁵ Ω.cm	ASTM D 257

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
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
1	1/16	1.10	0.043	0.50	0.020	0.20	0.008
1.5	3/32	1.70	0.067	0.75	0.030	0.20	0.008
2	7/64	2.20	0.086	1.00	0.039	0.20	0.008
2.5	1/8	2.60	0.102	1.25	0.049	0.20	0.008
3	9/64	3.20	0.126	1.50	0.059	0.20	0.008
3.5	5/32	3.70	0.145	1.75	0.069	0.25	0.010
4	3/16	4.30	0.169	2.00	0.079	0.25	0.010
5	7/32	5.30	0.208	2.50	0.098	0.65	0.026
6	1/4	6.30	0.248	3.00	0.118	0.65	0.026
7	19/64	7.30	0.287	3.50	0.138	0.70	0.028
8	11/32	8.20	0.323	4.00	0.157	0.70	0.028
9	3/8	9.20	0.362	4.50	0.177	0.35	0.014
10	13/32	10.20	0.401	5.00	0.197	0.35	0.014
11	29/64	11.20	0.441	5.50	0.217	0.35	0.014

