

C-2 125°C 环保阻燃绝缘热缩套管

Environmental-friendly, Flame-retardant, Heat shrinkable Insulating polyolefin tubing



产品特性:

- 径向收缩比: 2:1, 轴向收缩率≤5%
- 收缩温度: 开始收缩温度80℃, 完全收缩温度120℃
- 工作温度: -40℃~125℃
- 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
- 优良的机械性、绝缘性及电气性能
- 符合欧盟ROHS指令要求

Features:

- 2:1 shrink ratio (Radial change), shrink ratio in longitudinal≤5%
- Min. shrink temperature: 80oC; Full recovery temperature: 120℃
- Continuous Operating Temperature: -40℃~125℃
- Specifications / Approvals:UL 224, CSA22.2
UL File NO.E142415, CSA File NO.LR108142-1
- Flame-retardant: Pass VW-1 flame test
- Flexible
- Chemical and solvent resistance
- Excellent physical and electrical performance properties
- Meet ROHS(Restriction of use of certain Hazardous Substances)requirement



FLAME
RETARDANT
阻燃



SHRINK
RATIO 2:1
收缩比 2:1

用途:

CIAC[®] C-2适用于电线电缆接续、分支, 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, 线束绑扎和颜色标记, 机械保护。

Applications:

CIAC[®] C-2 is recommended for all general purpose applications such as electrical insulation, color coding, cable bundling, light harness jacketing and 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℃/168hrs)	Tensile Strength after Heat Aging (158℃/168hrs)	≥7.3MPa	11MPa	UL 224
	老化后断裂伸长率 (158℃/168hrs)	Ultimate elongation after Heat Aging (158℃/168hrs)	≥100%	360%	UL 224
	最大正割模量	Maximum secant modulus	≤173 MPa (25 000 psi)	≤173 MPa (25 000 psi)	UL 224
	热冲击(250℃/4hrs)	Heat shock(250℃/4hrs)	No cracking	Pass	UL 224
电性能 Electrical	冷弯曲(-30℃/1hr)	Cold bend(-30℃/1hr)	No cracking	Pass	UL 224
	耐压	Dielectric withstand voltage	AC.2.5kV/60seconds	Pass	UL 224
	介电强度	Dielectric breakdown voltage	>25kV/mm	Pass	UL 224
化学性能 Chemical	体积电阻率	Volume Resistivity	>10 ¹⁴ Ω .cm	>10 ¹⁵ Ω .cm	ASTM D 257
	铜腐蚀(158℃/168hrs)	Copper Corrosion(158℃/168hrs)	No Corrosion	Pass	UL 224
	铜稳定	Stability	Elongation>100%	>200%	UL 224
	燃烧性能	Flammability	Pass	Pass	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			
mmv	Inch	mm	Inch	mm	Inch	mm	Inch
0.8	3/64	0.90	0.035	0.40	0.016	0.30	0.012
1.0	1/16	1.30	0.051	0.50	0.020	0.30	0.012
1.5	3/32	1.80	0.071	0.75	0.030	0.40	0.016
2.0	7/64	2.30	0.090	1.00	0.039	0.40	0.016
2.5	1/8	2.80	0.110	1.25	0.049	0.40	0.016
3.0	9/64	3.30	0.130	1.50	0.059	0.45	0.018
3.5	5/32	3.80	0.149	1.75	0.069	0.45	0.018
4.0	3/16	4.30	0.169	2.00	0.079	0.45	0.018
4.5	13/64	5.00	0.197	2.25	0.089	0.45	0.018
5.0	7/32	5.30	0.208	2.50	0.098	0.50	0.020
6.0	1/4	6.30	0.248	3.00	0.118	0.50	0.020
7.0	19/64	7.20	0.273	3.50	0.138	0.55	0.022
8.0	11/32	8.10	0.317	4.00	0.157	0.55	0.022
9.0	3/8	9.10	0.358	4.50	0.177	0.55	0.022
10.0	13/32	10.10	0.397	5.00	0.197	0.55	0.022
11.0	29/64	11.10	0.437	5.50	0.217	0.60	0.024
12.0	1/2	12.10	0.476	6.00	0.236	0.60	0.024
13.0	17/32	13.10	0.515	6.50	0.256	0.65	0.026
14.0	37/64	14.20	0.559	7.00	0.276	0.65	0.026
15.0	39/64	15.20	0.598	7.50	0.295	0.70	0.028
16.0	21/32	16.30	0.641	8.00	0.315	0.70	0.028
18.0	3/4	18.30	0.720	9.00	0.354	0.80	0.031
20.0	53/64	20.70	0.815	10.00	0.394	0.85	0.033
22.0	29/32	22.70	0.893	11.00	0.433	0.85	0.033
25.0	1	26.00	1.023	12.50	0.492	0.85	0.033
28.0	17/64	29.00	1.141	14.00	0.551	0.90	0.035
30.0	11/4	31.00	1.220	15.00	0.591	0.90	0.035

