

C-2(R) 135°C 环保阻燃半硬绝缘热缩套管(2X)/(3X)

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



产品特性:

- 径向收缩比: 2:1, 轴向收缩率 ≤ 5%
- 径向收缩比: 3:1, 轴向收缩率 ≤ 10%
- 收缩温度: 开始收缩温度 110°C, 完全收缩温度 135°C
- 工作温度: -55°C ~ 135°C
- 阻燃: 通过 VW-1 阻燃测试
- 良好的物理及电气性能, 耐磨损
- 抗化学试剂及溶剂, 耐腐蚀及耐候
- 符合欧盟 ROHS 指令要求

Features:

- Shrink ratio (Radial change): 2:1, shrink ratio in longitudinal ≤ 5%
- Shrink ratio (Radial change): 3:1, shrink ratio in longitudinal ≤ 10%
- Min. shrink temperature: 110°C; Full recovery temperature: 135°C
- Continuous Operating Temperature: -55°C ~ 135°C
- Flame-retardant
- Outstanding physical and electrical performance
- Excellent chemical and solvent resistance properties
- Meet ROHS (Restriction of use of certain Hazardous Substances) requirement



FLAME
RETARDANT
阻燃



SHRINK
RATIO 2:1
收缩比 2:1



SHRINK
RATIO 3:1
收缩比 3:1

用途:

推荐用于对刚性要求较高的场合, 例如各种军工用电线、电缆的连接处, 电线终端的绝缘防护和补强, 汽车线束; 可为各种精密部件提供良好的机械和绝缘保护。

Applications:

Typically used where rigidity or exceptional strain relief is required such as soldered or crimped connections, wire splices, terminations in automotive and military fields. Provides outstanding mechanical protection and electrical insulation for delicate 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	≥ 13.8MPa	18MPa	UL 224
	断裂伸长率	Ultimate elongation	≥ 200%	450%	UL 224
	老化后拉伸强度 (175°C/168hrs)	Tensile Strength after Heat Aging (175°C/168hrs)	≥ 9.7MPa	16MPa	UL 224
	老化后断裂伸长率 (175°C/168hrs)	Ultimate elongation after Heat Aging (175°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 ¹⁶ Ω.cm	ASTM D 257
化学性能 Chemical	铜腐蚀(175°C/168hrs)	Copper Corrosion(175°C/168hrs)	No Corrosion	Pass	UL 224
	铜稳定	Stability	Elongation>100%	Pass	UL 224
	燃烧性能	Flammability	Pass	Pass	UL VW-1

C-2R(2X) 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	0.30	0.012
1	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	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	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	3/16	4.30	0.169	2.00	0.079	0.50	0.020
4.5	13/64	5.00	0.197	2.25	0.089	0.50	0.020
5	7/32	5.30	0.208	2.50	0.098	0.50	0.020
6	1/4	6.30	0.248	3.00	0.118	0.55	0.022
7	19/64	7.20	0.283	3.50	0.138	0.55	0.022
8	11/32	8.10	0.319	4.00	0.157	0.60	0.024
9	3/8	9.10	0.358	4.50	0.177	0.60	0.024
10	13/32	10.10	0.397	5.00	0.197	0.60	0.024
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

C-2R(3X) 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
1.5	3/32	1.70	0.067	0.50	0.020	0.5±0.05	0.020±0.002
3	9/64	3.20	0.126	1.00	0.039	0.6±0.05	0.024±0.002
6	1/4	6.20	0.244	2.00	0.079	0.7±0.05	0.028±0.002
9	3/8	9.20	0.362	3.00	0.118	0.8±0.05	0.031±0.002
12	1/2	12.20	0.480	4.00	0.158	0.9±0.05	0.035±0.002
18	3/4	18.20	0.716	6.00	0.236	1.0±0.05	0.039±0.002
22	7/8	21.60	0.850	7.50	0.295	1.1±0.05	0.043±0.002
24	1	24.40	0.950	8.00	0.315	1.2±0.05	0.047±0.002
39	1 1/2	39.20	1.543	8.00	0.315	1.2±0.05	0.047±0.002

