

C-8 105°C 环保通用热缩套管 Environmental-friendly, General Purpose, Heat Shrinkable Polyolefin Tubing



产品特性:

- 径向收缩比: 2:1, 轴向收缩率 ≤ 10%
- 收缩温度: 开始收缩温度 90°C, 完全收缩温度 105°C
- 工作温度: -40°C ~ 105°C
- 柔软
- 符合欧盟ROHS指令要求

Features:

- Shrink ratio (Radial change): 2:1, shrink ratio in longitudinal ≤ 10%
- Min. shrink temperature: 90°C; Full recovery temperature: 105°C
- Continuous Operating Temperature: -40°C ~ 105°C
- Halogen free alternative to PVC
- Economical, yet offers the improved performance
- Meet ROHS(Restriction of use of certain Hazardous Substances) requirement



SHRINK
RATIO 2:1
收缩比 2:1

用途:

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、电阻、电容的绝缘保护和补强, 以及其他不需要阻燃的场合。

Applications:

Insulation, protection and reinforcement of terminations(terminals), joints(splices), resistances and capacitors; Color identification and bundling of electric wires; Commercial grade tubing for applications where a flame-retardant product is not needed.

技术指标 Performance

项目 Items	性能 Property	指标 Requirements	典型值 Typical Performance	
机械性能 Mechanical	拉伸强度	Tensile Strength	≥10.4MPa	13MPa
	断裂伸长率	Ultimate elongation	≥200%	450%
	老化后拉伸强度 (136°C/168hrs)	Tensile Strength after Heat Aging (136°C/168hrs)	≥7.3MPa	12MPa
	老化后断裂伸长率 (136°C/168hrs)	Ultimate elongation after Heat Aging (136°C/168hrs)	≥100%	400%
	最大正切模数	Maximum secant modulus	≤173 MPa (25 000 psi)	≤173 MPa (25 000 psi)
	热冲击(250°C/4hrs)	Heat shock(250°C/4hrs)	No cracking	Pass
	冷弯曲(-30°C/1hr)	Cold bend(-30°C/1hr)	No cracking	Pass
电性能 Electrical	低温柔韧性	Low Temperature Flexibility	does not break	does not break
	耐压	Dielectric withstand voltage	AC.2.5kV/60seconds	Pass
	介电强度	Dielectric breakdown voltage	>25kV/mm	Pass
化学性能 Chemical	体积电阻率	Volume Resistivity	>10 ¹⁴ Ω .cm	>10 ¹⁵ Ω .cm
	铜腐蚀(136°C/168hrs)	Copper Corrosion(136°C/168hrs)	No Corrosion	Pass
	铜稳定	Stability	Elongation>100%	>200%

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	12.50	0.492	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

