

G1 Non flame retardant polyolefin tubing

無阻燃型熱縮套管

Applications

G1 is a non flame retardant polyolefin heat shrinkable tubing with the properties of thin wall, halogen free, glossy surface, good transparency and rapid shrinkage at low temperatures. It is widely used in outer insulation protection of electronics and consumer goods. The clear color makes it high transparency, so the condition of covered objects can be checked clearly.

應用

G1 是一種薄壁、無鹵、表面光澤、有良好透光性及低溫快速收縮的非阻燃聚烯烴熱縮套管。普遍應用於電子、民生消費品的外層絕緣保護，透明色具有高透視性，能夠清晰檢視被包覆物品的狀況。

Characteristics

Shrink ratio: 2:1

Low shrink temperature

Good transparency, flexible

Compliance with RoHS

特性

收縮率：2:1

低收縮溫度

透明度佳，柔軟

符合 RoHS 標準

Operating temperature range

Continuous operating temperature: -55°C~105°C

Minimum shrink temperature: 70°C

Full recovery temperature: Above 100°C

操作溫度範圍

連續使用溫度：-55°C~105°C

最低收縮溫度：70°C

完全收縮溫度：100°C 以上

Product Dimensions**產品規格**

Part Number 產品型號	Size(mm) 尺寸	As supplied(mm) 收縮前		After recovered(mm) 收縮後		Standard Length(Meter) 標準長度(米)
		I.D.內徑	W.T. 壁厚	I.D.(max) 內徑(最大)	W.T.壁厚(最小)	
G1-0010	1.0	1.5±0.3	0.20±0.05	0.7	0.33	200
G1-0015	1.5	2.0±0.3	0.20±0.05	0.8	0.34	200
G1-0020	2.0	2.5±0.3	0.20±0.05	1.1	0.34	200
G1-0025	2.5	3.0±0.3	0.25±0.05	1.25	0.42	200
G1-0030	3.0	3.5±0.3	0.25±0.05	1.5	0.42	200
G1-0035	3.5	4.0±0.3	0.25±0.05	1.75	0.42	200
G1-0040	4.0	4.5±0.3	0.25±0.05	2.0	0.42	200
G1-0045	4.5	5.0±0.3	0.25±0.05	2.25	0.42	100
G1-0050	5.0	5.5±0.3	0.28±0.05	2.5	0.52	100
G1-0060	6.0	6.5±0.3	0.28±0.05	3.0	0.52	100
G1-0070	7.0	7.6±0.3	0.30±0.07	3.5	0.56	100
G1-0080	8.0	8.6±0.3	0.30±0.07	4.0	0.56	100
G1-0090	9.0	9.6±0.3	0.30±0.07	4.5	0.56	100
G1-0100	10.0	10.7±0.4	0.30±0.07	5.0	0.56	100
G1-0110	11.0	11.7±0.4	0.30±0.07	5.5	0.56	100
G1-0120	12.0	12.7±0.4	0.30±0.07	6.0	0.56	100
G1-0130	13.0	13.7±0.4	0.35±0.08	6.5	0.69	100
G1-0140	14.0	14.7±0.4	0.35±0.08	7.0	0.69	100
G1-0150	15.0	15.7±0.5	0.35±0.08	7.5	0.69	100
G1-0160	16.0	16.7±0.5	0.35±0.08	8.0	0.69	100
G1-0170	17.0	17.7±0.5	0.35±0.08	8.5	0.69	100
G1-0180	18.0	19.0±0.5	0.40±0.10	9.0	0.77	100
G1-0200	20.0	21.0±0.5	0.40±0.10	10.0	0.77	100
G1-0220	22.0	23.0±0.5	0.40±0.10	11.0	0.77	100
G1-0250	25.0	26.0±1.0	0.45±0.10	12.5	0.87	50
G1-0280	28.0	29.0±1.0	0.45±0.10	14.0	0.87	50
G1-0300	30.0	31.5±1.0	0.45±0.10	15.0	0.87	50
G1-0350	35.0	36.5±1.0	0.50±0.10	17.5	0.97	50
G1-0400	40.0	42.0±1.5	0.50±0.10	20.0	0.97	50
G1-0450	45.0	47.0±1.5	0.50±0.10	22.5	0.97	25
G1-0500	50.0	53.0±2.0	0.55±0.10	25.0	0.97	25
G1-0600	60.0	63.0±3.0	0.60±0.15	30.0	1.17	25

Technical Data

Property	Specification Requirement	Test Method	Typical Value
Concentricity	≥70%	ASTM D2671	≥70%
Tensile strength	≥10.3MPa	ASTM D2671	≥14.0MPa
Elongation at break	≥200%	ASTM D2671	≥400%
Dielectric voltage withstand	AC2500V/60S No breakdown	ASTM D2671	No breakdown
Volume resistivity	≥10 ¹⁴ Ω · cm	ASTM D2671	≥10 ¹⁴ Ω · cm

技術性能

特性	標準	測試方法	典型值
集中性	≥70%	ASTM D2671	≥70%
抗張強度	≥10.3MPa	ASTM D2671	≥14.0MPa
斷裂伸長率	≥200%	ASTM D2671	≥400%
絕緣耐壓	AC2500V/60S 無擊穿	ASTM D2671	無擊穿
體積電阻率	≥10 ¹⁴ Ω · cm	ASTM D2671	≥10 ¹⁴ Ω · cm

Standard color: clear

標準顏色：透明

