

THIN WALL POLYOLEFIN TUBING

G5 **General purpose, flame retardant polyolefin tubing** 通用型熱收縮套管

應用 Applications

被廣泛地應用於工業和商業領域，如電子絕緣，元件、終端、結合處的保護，另外還常被用於束線的包覆和電線電纜電子元件的顏色標識。

Widely used in industrial and commercial field such as electrical insulation, in-line components, disconnect terminal and splices. Besides, used commonly to protect and cover bundles wires.

Identifies or color-codes wire, cables, terminals, and components.

特性 Characteristics

- 收縮率:2:1
- 非常柔軟，高阻燃性能
- 對通常的可溶性液體有抵抗性
- 優異的物理，化學和電子性能
- 符合RoHS
- Shrinkage Ratio: 2:1
- Very flexible, highly flame retardant
- Resistant to common fluids and solvents
- Excellent physical, chemical, and electrical properties
- Meet RoHS,

操作溫度範圍 Operating temperature range

- 操作溫度：-55°C~125°C
- 最低收縮溫度：70°C
- 最低完全收縮溫度：110°C
- Operating temperature: -55°C ~ 125°C
- Minimum shrink temperature: 70°C
- Minimum fully recovery temperature :110°C

Approvals / Specifications 認證 / 規範

UL224 File no. E255532, 125°C VW-1 600V

Product Dimensions 產品規格

Part Number 產品型號	Nominal Size (mm) 尺寸 (毫米)	As supplied 收縮前 (mm)		After recovered 收縮後 (mm)		Standard Length (M) 標準長度 (米)
		I.D. 內徑	W.T. 壁厚	I.D. (max.) 內徑	W.T. 壁厚	
G5-0008	Ø0.8	1.0±0.2	0.15±0.05	0.4	0.25±0.05	200
G5-0010	Ø1.0	1.5±0.3	0.20±0.05	0.6	0.33±0.05	200
G5-0020	Ø2.0	2.5±0.3	0.20±0.05	0.75	0.36±0.05	200
G5-0025	Ø2.5	3.0±0.3	0.20±0.05	1.0	0.44±0.05	200
G5-0030	Ø3.0	3.5±0.3	0.25±0.05	1.5	0.44±0.05	200
G5-0035	Ø3.5	4.0±0.3	0.25±0.05	1.75	0.44±0.05	200
G5-0040	Ø4.0	4.5±0.3	0.25±0.05	2.0	0.44±0.05	200
G5-0045	Ø4.5	5.0±0.3	0.25±0.05	2.25	0.44±0.08	100
G5-0050	Ø5.0	5.5±0.3	0.25±0.05	2.5	0.56±0.08	100
G5-0060	Ø6.0	6.5±0.3	0.28±0.05	3.0	0.56±0.08	100
G5-0070	Ø7.0	7.6±0.3	0.30±0.06	3.5	0.56±0.08	100
G5-0080	Ø8.0	8.6±0.3	0.30±0.06	4.0	0.56±0.08	100
G5-0090	Ø9.0	9.6±0.3	0.30±0.06	4.5	0.56±0.08	100
G5-0100	Ø10.0	10.7±0.4	0.30±0.06	5.0	0.56±0.08	100
G5-0110	Ø11.0	11.7±0.4	0.30±0.06	5.5	0.56±0.08	100
G5-0120	Ø12.0	12.7±0.4	0.30±0.06	6.0	0.56±0.08	100
G5-0130	Ø13.0	13.7±0.4	0.35±0.07	6.5	0.69±0.08	100
G5-0140	Ø14.0	14.7±0.4	0.35±0.07	7.0	0.69±0.08	100
G5-0150	Ø15.0	15.7±0.5	0.35±0.07	7.5	0.69±0.08	100
G5-0160	Ø16.0	16.7±0.5	0.35±0.07	8.0	0.69±0.08	100
G5-0170	Ø17.0	17.5±0.6	0.35±0.12	8.5	0.77±0.08	100
G5-0180	Ø18.0	19.0±0.5	0.40±0.10	9.0	0.77±0.15	100
G5-0200	Ø20.0	21.0±0.5	0.40±0.10	10.0	0.77±0.15	100
G5-0220	Ø22.0	23.0±0.5	0.40±0.10	11.0	0.77±0.15	100
G5-0250	Ø25.0	26.0±1.0	0.45±0.10	12.5	0.87±0.15	50
G5-0280	Ø28.0	29.0±1.0	0.45±0.10	14.0	0.87±0.15	50
G5-0300	Ø30.0	31.5±1.0	0.45±0.10	15.0	0.87±0.15	50
G5-0350	Ø35.0	37.0±1.0	0.50±0.10	17.5	0.97±0.15	50
G5-0400	Ø40.0	40.5±1.0	0.50±0.10	20.0	0.97±0.15	50
G5-0450	Ø45.0	46.5±1.0	0.50±0.10	22.5	0.97±0.15	25
G5-0500	Ø50.0	50.5±1.0	0.50±0.10	25.0	0.97±0.15	25
G5-0600	Ø60.0	60.0±3.0	0.80±0.20	30.0	1.30±0.20	25
G5-0700	Ø70.0	70.0±3.0	0.80±0.20	35.0	1.50±0.20	25
G5-0800	Ø80.0	80.0±3.0	0.80±0.30	40.0	1.50±0.30	25
G5-0900	Ø90.0	90.0±4.0	0.80±0.30	45.0	1.50±0.30	25
G5-1000	Ø100	100.0±4.0	0.80±0.30	50.0	1.50±0.30	25
G5-1200	Ø120	120.0±4.0	0.80±0.30	60.0	1.50±0.30	15
G5-1500	Ø150	150.0±4.0	0.80±0.30	75.0	1.50±0.30	15
G5-1800	Ø180	180.0±4.0	0.80±0.30	90.0	1.50±0.30	15

Technical Data

Property	Specification Requirement	Test Method	Typical Value
Longitudinal shrinkage	5% max.	ASTM D 2671	≅5%
Concentricity	70%min.	ASTM D 2671	≅70%
Tensile strength	10.4MPa min.	ASTM D 638	≅14.0MPa
Elongation at break	200% min.	ASTM D 638	≅400%
Heat shock (250°C,4hrs)	No cracking	ASTM D 2671	Pass
Cold bend (-55°C,4 hrs.)	No cracking	ASTM D 2671	Pass
Tensile strength after aging (158°C / 168 hrs.)	70% of original (MIN.)	ASTM D 638	≅90%
Elongation after aging (158°C / 168 hrs.)	100% min.	ASTM D 638	≅300%
Dielectric voltage withstand and breakdown	2500V, 60sec, No breakdown	UL224	Pass
Dielectric strength	19.7KV/mm min.	ASTM D 2671	25KV/mm
Volume resistance	10 ¹⁴ Ω · cm min.	ASTM D 876	≅10 ¹⁴ Ω · cm
Copper corrosion	No corrosion	ASTM D 2671	Pass
Copper stability	Elongation ≧100%	ASTM D 2671	Pass
Flammability	VW-1	UL224	Pass



Size 35mm ~ 180mm (35mm included) is without printing (blank tube)
Standard color : black、white、red、blue、yellow、green, other colors on request.
Special size, cutting pieces are available on request.

35mm ~ 180mm (35mm含) 以上規格無印刷字體
顏色：黑、白、紅、藍、黃、綠
指定尺寸，裁切可依客戶需求特別要求另行提供

