

G5 General purpose, flame retardant polyolefin tubing

通用型熱收縮套管

Applications

Widely used in industrial and commercial field, such as electrical insulation, the protection of in-line components, disconnect terminal and wire splices. Besides, commonly used to covering bundle wires. Identification for color-codes wire, cables, terminals, and components.

應用

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。

Characteristic

Shrinkage Ratio: 2:1

Very flexible, highly flame retardant

Resistant to common fluids and solvents

Excellent physical, chemical, and electrical properties

Meet RoHS.

特性

收縮率:2:1

非常柔軟，高阻燃性能

對通常的可溶解性液體有抵抗性

優異的物理，化學和電子性能

符合 RoHS 標準

Operating temperature range

Operating temperature : -55 °C ~ 125°C

Minimum shrink temperature : 70 °C

Minimum fully recovery temperature : 110 °C

操作溫度範圍

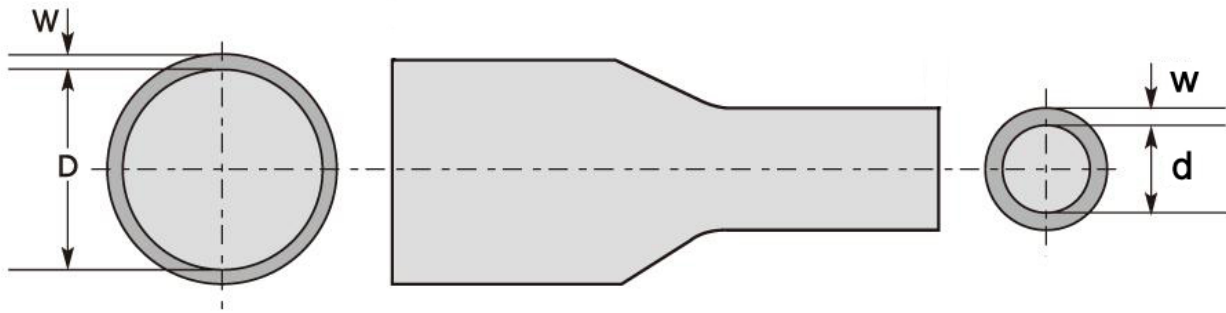
操作溫度 : -55°C~125°C

最低收縮溫度 : 70°C

最低完全收縮溫度 : 110°C

Product Dimensions**產品規格**

Part Number 產品型號	Nominal 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.(min) 壁厚(最小)	
G5-0008	0.8	1.0±0.2	0.15±0.05	0.55	0.25	200
G5-0010	1.0	1.5±0.3	0.20±0.05	0.60	0.33	200
G5-0015	1.5	2.0±0.3	0.20±0.05	0.75	0.36	200
G5-0020	2.0	2.5±0.3	0.20±0.05	1.00	0.44	200
G5-0025	2.5	3.0±0.3	0.25±0.05	1.25	0.44	200
G5-0030	3.0	3.5±0.3	0.25±0.05	1.50	0.44	200
G5-0035	3.5	4.0±0.3	0.25±0.05	1.75	0.44	200
G5-0040	4.0	4.5±0.3	0.25±0.05	2.00	0.44	200
G5-0045	4.5	5.0±0.3	0.25±0.05	2.25	0.44	100
G5-0050	5.0	5.5±0.3	0.25±0.05	2.5	0.56	100
G5-0060	6.0	6.5±0.3	0.28±0.05	3.0	0.56	100
G5-0070	7.0	7.6±0.3	0.30±0.07	3.5	0.56	100
G5-0080	8.0	8.6±0.3	0.30±0.07	4.0	0.56	100
G5-0090	9.0	9.6±0.3	0.30±0.07	4.5	0.56	100
G5-0100	10.0	10.7±0.4	0.30±0.07	5.0	0.56	100
G5-0110	11.0	11.7±0.4	0.30±0.07	5.5	0.56	100
G5-0120	12.0	12.7±0.4	0.30±0.07	6.0	0.56	100
G5-0130	13.0	13.7±0.4	0.35±0.08	6.5	0.69	100
G5-0140	14.0	14.7±0.4	0.35±0.08	7.0	0.69	100
G5-0150	15.0	15.7±0.5	0.35±0.08	7.5	0.69	100
G5-0160	16.0	16.7±0.5	0.35±0.08	8.0	0.69	100
G5-0170	17.0	17.7±0.5	0.35±0.08	8.5	0.77	100
G5-0180	18.0	19.0±0.5	0.40±0.10	9.0	0.77	100
G5-0200	20.0	21.0±0.5	0.40±0.10	10.0	0.77	100
G5-0220	22.0	23.0±0.5	0.40±0.10	11.0	0.77	100
G5-0250	25.0	26.0±1.0	0.45±0.10	12.5	0.87	50
G5-0280	28.0	29.0±1.0	0.45±0.10	14.0	0.87	50
G5-0300	30.0	31.5±1.0	0.45±0.10	15.0	0.87	50
G5-0350	35.0	36.5±1.0	0.50±0.10	17.5	0.97	50
G5-0400	40.0	41.5±1.0	0.50±0.10	20.0	0.97	50
G5-0450	45.0	46.0±0.7	0.50±0.15	22.5	0.97	25
G5-0500	50.0	51.5±1.0	0.55±0.10	25.0	0.97	25
G5-0600	60.0	63.0±3.0	0.60±0.15	30.0	1.17	25
G5-0700	70.0	71.0±3.0	0.60±0.15	35.0	1.17	25
G5-0800	80.0	81.0±3.0	0.65±0.15	40.0	1.20	25
G5-0900	90.0	91.0±3.0	0.75±0.15	45.0	1.30	25
G5-1000	100	101.0±3.0	0.75±0.15	50.0	1.30	25
G5-1200	120	121.0±4.0	0.80±0.20	60.0	1.40	15
G5-1500	150	151.0±4.0	0.80±0.20	75.0	1.50	15
G5-1800	180	181.0±4.0	0.85±0.20	90.0	1.60	15



Technical Data

Property	Specification Requirement	Test Method	Typical Value
Longitudinal change (150°C, 3min)	-10 ~10%	ASTM D 2671	Pass
Tensile strength (500mm/min)	≥10.4MPa	ASTM D 638	≥11.4MPa
Elongation at break (500mm/min)	≥200%	ASTM D 638	≥400%
Tensile strength after aging(158°C/168 hrs.)	More than 70%	ASTM D 638	≥80%
Elongation after aging(158°C/168 hrs.)	≥100%.	ASTM D 638	≥200%
Heat shock(200°C,4hrs)	No cracking	ASTM D 2671	Pass
Cold bend (-30°C,1 h.)	No cracking	ASTM D 2671	Pass
Dielectric voltage (AC2500V,60S)	No breakdown	UL224	Pass
Volume resistance	≥10 ¹⁴ Ω · cm	ASTM D 876	≥10 ¹⁴ Ω · cm
Dielectric strength	≥19.7KV/mm	ASTM D 2671	22 KV/mm
Flammability	Pass	UL224	Pass

技術性能

特性	標準	測試方法	結果
長度變化率 (150°C, 3min)	-10%~10%	ASTM D 2671	通過
抗張強度 (500mm/min)	≥10.4MPa	ASTM D 638	≥11.4MPa
斷裂伸長率 (500mm/min)	≥200%	ASTM D 638	≥400%
老化後抗張強度 (158°C,168h)	保留 70%以上	ASTM D 638	≥80%
老化延伸度 (158°C,168h)	≥100%	ASTM D 638	≥200%
熱衝擊 (200°C,4h)	無裂紋	ASTM D 2671	通過
冷彎曲 (-30°C,1h)	無裂紋	ASTM D 2671	通過
耐壓 (AC2500V,60S)	無擊穿	UL224	通過
體積電阻率	≥10 ¹⁴ Ω.cm	ASTM D 876	≥10 ¹⁴ Ω.cm

絕緣強度	≥19.7KV/mm	ASTM D 2671	22 KV/mm
阻燃性能	VW-1	UL224	通過

Standard color : black、white、red、blue、yellow、green, (Other colors ,special size, cut pieces are available on request.)

Size 35mm ~ 180mm (35mm included) is without printing on the tubing (blank tube)

標準顏色：黑、白、紅、藍、黃、綠(其他顏色，其他尺寸，裁切可依客戶需求另行訂製)

35mm ~ 180mm (35mm 含)以上規格無印刷字體

