

G5 General purpose, flame retardant polyolefin tubing



Applications

G5 is a polyolefin material heat shrinkable tubing that complies with current environmental regulations. It is widely used in industrial and commercial fields, such as outer insulation protection of wire splices, metal pipes, electronic components, and so on.

Characteristics

Shrink ratio: 2:1

Very flexible, high flame retardant

Resistant to common solvent liquid

Excellent physical, chemical and electrical performance

Compliance with RoHS2.0

Operating temperature range

Continuous operating temperature: -55°C~125°C

Minimum shrink temperature: 70°C

Full recovery temperature: Above 110°C

Approvals / Specifications

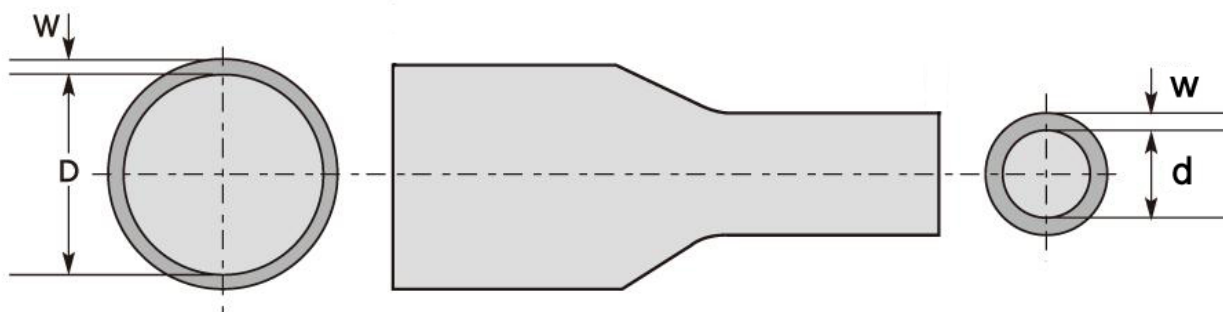


UL224 File no. E255532, 125°C VW-1 600V

Product Dimensions

Part Number	Size(mm)	As supplied (mm)		After recovered (mm)		Standard Length (Meter)
		I.D.(D)	W.T.(W)	I.D.(max)(d)	W.T.(min)(w)	
G5-0008	0.8	1.0±0.2	0.15±0.05	0.6	0.25	200
G5-0010	1.0	1.5±0.3	0.20±0.05	0.7	0.33	200
G5-0015	1.5	2.0±0.3	0.20±0.05	0.8	0.34	200
G5-0020	2.0	2.5±0.3	0.20±0.05	1.1	0.34	200
G5-0025	2.5	3.0±0.3	0.25±0.05	1.25	0.42	200
G5-0030	3.0	3.5±0.3	0.25±0.05	1.5	0.42	200
G5-0035	3.5	4.0±0.3	0.25±0.05	1.75	0.42	200
G5-0040	4.0	4.5±0.3	0.25±0.05	2.0	0.42	200
G5-0045	4.5	5.0±0.3	0.25±0.05	2.25	0.42	100
G5-0050	5.0	5.5±0.3	0.28±0.05	2.5	0.52	100
G5-0060	6.0	6.5±0.3	0.28±0.05	3.0	0.52	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	0.69	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	42.0±1.5	0.50±0.10	20.0	0.97	50
G5-0450	45.0	47.0±1.5	0.50±0.10	22.5	0.97	25
G5-0500	50.0	53.0±2.0	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	0.80±0.20	90.0	1.60	15



Technical Data

Property	Specification Requirement	Test Method	Typical Value
Longitudinal change	-10%~10%	ASTM D2671	Pass
Tensile strength	≥10.3MPa	ASTM D2671	≥11.3MPa
Elongation at break	≥200%	ASTM D2671	≥400%

Tensile strength after aging	70% of initial value	ASTM D2671 (158°C/168 hrs)	≥80%
Elongation at break after aging	≥100%	ASTM D2671 (158°C/168 hrs)	≥200%
Heat shock	No cracking	ASTM D2671 (200°C/4 hrs)	No cracking
Low temperature flexibility	No cracking	ASTM D2671 (-30°C/1 hr)	No cracking
Dielectric voltage withstand	AC2500V/60S No breakdown	ASTM D2671	No breakdown
Volume resistivity	≥10 ¹⁴ Ω·cm	ASTM D2671	≥10 ¹⁴ Ω·cm
Dielectric strength	≥19.7kV/mm	ASTM D2671	22 kV/mm
Flammability	VW-1	UL224	Pass

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

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

