

Data Sheet

G5 High shrink ratio heat shrink tubing



Applications

G5 is a high shrink ratio military grade heat shrinkable tubing made of 135°C polyolefin material. In addition to the normally reliable insulation protection, the high shrink ratio is more suitable to be applied to the product with irregular outer diameters and providing more comprehensive coverage.

Characteristics

Shrink ratio: 3:1

Flame retardant (colors only)

Resistant to common solvent liquid

Excellent physical, chemical and electrical performance

Compliance with RoHS

Operating Temperature Range

Continuous operating temperature: -55°C~135°C

Minimum shrink temperature: 70°C

Full recovery temperature: Above 110°C

Product Dimensions

BN	As supplied (mm)		After recovered (mm)		Standard Length
	I.D. (min)	W.T. (min)	I.D. (min)	W.T. (min)	Meter
1567325	6.2	0.20	2.0±0.2	0.60	100
1570601	12.1	0.23	4.0±0.2	0.70	100

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 (-55°C/4 hrs)	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