



Datasheet

RS PRO Polyolefin heat shrinkable tubing 3:1

Stock number: 1889456

EN



Applications

It is a high shrink ratio military standard 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 on the product with irregular outer diameters, and providing a more comprehensive coverage.

Characteristic

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

Operating temperature : -55°C ~ 135°C

Minimum shrink temperature : 70°C

Fully recovery temperature : more than 110°C

Approvals / Specifications

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

Technical Data

Property	Standard	Test Method	Typical Value
Longitudinal change	-10%~10%	ASTM D 2671	Pass
Tensile strength	≥10.3MPa	ASTM D 638	≥11.3MPa
Elongation at break	≥200%	ASTM D 638	≥400%
Tensile strength after aging	70% of original	ASTM D 638(158°C /168hrs)	≥80%
Elongation at break after aging	≥100%	ASTM D 638(158°C /168hrs)	≥200%
Heat shock	No cracking	ASTM D 2671 (200°C, 4hrs)	No cracking
Low temperature flexibility	No cracking	ASTM D 2671 (-55°C, 4hrs)	No cracking
Dielectric voltage withstand	AC2500V, 60S no breakdown	ASTM D 2671	no breakdown
Volume resistivity	≥10 ¹⁴ Ω.cm	ASTM D 876	≥10 ¹⁴ Ω.cm
Dielectric strength	≥19.7KV/mm	ASTM D 2671	22 KV/mm
Flammability	VW-1	UL224	Pass

Specifications

Part Number	Color	Dimensions		
		As Supplied (mm)	After Recovery (mm)	Wall Thickness Shrunk
		D (I.D.min.)	d (mm)	w (mm) min.
1889456	Black	18.0	6.0±0.3	0.75