Data Sheet

High shrink ratio polyolefin tubing



Applications

Designed to provide high expansion ratio, which is ideal for repairing harnesses or cables, and completely connecting and covering cable, jacket, oversize of connector, component. It's very suitable for application to irregular, awkward shapes

Operating temperature range

- Operating temperature: −55°C~135°C
- Minimum shrink temperature: 70°C
- Minimum fully recovery temperature : 100°C

Characteristics

- Shrinkage Ratio: 3:1
- Flame-retardant (colors only)
- Resistant to common fluids and solvents
- Excellent physical, chemical, and electrical properties
- Meet RoHS

Data Sheet

Approvals / Specifications 認證 / 規範

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

Product Dimensions

Nominal Size (尺寸)		As supplied 收縮前 (mm)		After recovered 收縮後 (mm)		Standard Length (M)
mm (米釐)	inch (英吋)	I.D. (min) 內徑	W.T. 壁厚	I.D. (max.) 內徑	W.T. (min) 壁厚	標準長度 (米)
3	1/8	3.0	0.18	1.0	0.55	200
6	1/4	6.0	0.22	2.0	0.65	100
9	3/8	9.0	0.25	3.0	0.75	100
12	1/2	12.0	0.25	4.0	0.80	100
18	3/4	18.0	0.35	6.0	0.90	100
25	1	25 .0	0.45	8.0	1.20	50

Technical Data

Property	Specification Requirement	Test Method	Typical Value
Concentricity	70% min.	ASTM D 2671	≥70%
Tensile strength	10.4MPa min.	ASTM D 638	≥14.0MPa
Elongation	200% min.	ASTM D 638	≥400%
Heat shock 250°C, 4hrs	No cracking, dripping or flowing	ASTM D 2671	Pass
Low temperature flexibility -55°C, 4hrs	No cracking	ASTM D 2671	Pass
Tensile strength after aging (175°C/168hrs)	70% of original min.	ASTM D 638	≥90%
Elongation after aging(175°C/168hrs)	100% min.	ASTM D 638	≥300%
Dielectric voltage withstand	2500V, 60sec no breakdown	UL224	Pass
Dielectric strength	19.7KV/mm min.	ASTM D 2671	25KV/mm
Volume resistivity	$10^{14}\Omega \cdot$ cm min.	ASTM D 876	$\geq 10^{14}\Omega \cdot$ cm
Corrosion	No corrosion	ASTM D 2671	Pass
Flammability	VW-1	UL2244	Pass

Color : black、white、red、blue、yellow、green、clear, other colors on request.
Special size, cutting pieces are available on request.

