

THIN WALL POLYOLEFIN TUBING

G5-3X 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

Characteristics

- Operating temperature: $-55^{\circ}\text{C} \sim 135^{\circ}\text{C}$
- Minimum shrink temperature: 70°C
- Minimum fully recovery temperature : 100°C

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

Approvals / Specifications

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

Operating temperature range

Product Dimensions

Part Number	Nominal Size		As supplied (mm)		After recovered (mm)		Standard Length (M)
	mm	inch	I.D. (min)	W.T.	I.D. (max.)	W.T. (min)	
G5-3X0030	3	1/8	3.0	0.18	1.0	0.55	200
G5-3X0060	6	1/4	6.0	0.22	2.0	0.65	100
G5-3X0090	9	3/8	9.0	0.25	3.0	0.75	100
G5-3X0120	12	1/2	12.0	0.25	4.0	0.80	100
G5-3X0180	18	3/4	18.0	0.35	6.0	0.90	100
G5-3X0250	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	$\geq 70\%$
Tensile strength	10.4MPa min.	ASTM D 638	$\geq 14.0\text{MPa}$
Elongation	200% min.	ASTM D 638	$\geq 400\%$
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 ($175^{\circ}\text{C}/168\text{hrs}$)	70% of original min.	ASTM D 638	$\geq 90\%$
Elongation after aging ($175^{\circ}\text{C}/168\text{hrs}$)	100% min.	ASTM D 638	$\geq 300\%$
Dielectric voltage withstand	2500V, 60sec no breakdown	UL224	Pass
Dielectric strength	19.7KV/mm min.	ASTM D 2671	25KV/mm
Volume resistivity	$10^{14}\Omega \cdot \text{cm}$ min.	ASTM D 876	$\geq 10^{14}\Omega \cdot \text{cm}$
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.

