

## Data Sheet

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### High shrink ratio polyolefin tubing (G5-3X)



#### Applications

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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

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

#### Characteristics

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

Approvals / Specifications 認證 / 規範

 UL224 File no. E255532,  $125^{\circ}\text{C}$  VW-1 600V

## Data Sheet

### Product Dimensions 產品規格

Part Number 產品型號	Nominal Size (尺寸)		As supplied 收縮前 (mm)		After recovered 收縮後 (mm)		Standard Length (M) 標準長度 (米)
	mm (米釐)	inch (英寸)	I.D. (min) 內徑	W.T. 壁厚	I.D. (max.) 內徑	W.T. (min) 壁厚	
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	≥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 <sup>14</sup> Ω · cm min.	ASTM D 876	≥10 <sup>14</sup> Ω · cm
Corrosion	No corrosion	ASTM D 2671	Pass
Flammability	VW-1	UL2244	Pass