# Data Sheet

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

### 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
- 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°C VW-1 600V**

# Data Sheet

## Product Dimensions 產品規格

| Part Number | Nominal Size (尺寸) | | As supplied 收縮前 (mm) | | After recovered 收縮後 (mm) | | Standard Length (M) |
|---|---|---|---|---|---|---|---|
| 產品型號 | 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) |
| 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 | $10^{14}\Omega \cdot$ cm min. | ASTM D 876 | $\geq 10^{14}\Omega \cdot$ cm |
| Corrosion | No corrosion | ASTM D 2671 | Pass |