

Flexible, Flame Retardant

General Purpose Polyolefin Heat Shrink Tubing

pro-POWER

RoHS
Compliant



Specifications:

| | |
|-----------------------|-------------------------------|
| Shrink Ratio | : 2:1 |
| Operating Temperature | : -55°C to 135°C |
| Shrink Temperature | : 100°C |
| Standard Colour | : Black |
| Flammability Rating | : VW-1 |
| Approval category | : UL224 (600V, 125°C) |
| Standard | : CSA, LR228795 (600V, 125°C) |
| Approval bodies | : UL |

Specification Values:

| Property | Test Method | Values |
|---|-------------------------------------|---|
| Tensile Strength | ISO 37 | 10 MPa minimum |
| Ultimate Elongation | ISO 37 | 250% minimum |
| Specific Gravity | ISO 1183 | 1.35 maximum |
| Heat Shock | ASTM D2671 (4hrs at 250°C) | no dripping, cracking or flowing |
| Heat Ageing Ultimate Elongation | ISO 188 (168hrs at 175°C) ISO 37 | 150% minimum |
| Low Temperature Flexibility | ASTM D2671 (4hrs at -55°C) | no cracking |
| Flammability (except Clear) | ASTM D876 | pass |
| Electric Strength | IEC 243 | 20kV/mm minimum |
| Corrosion (Copper Contact and Copper Mirror) | ASTM D2671 | no corrosion |
| Water Absorption | ISO 62 | 0.5 % maximum |
| Fluid Resistance Gasoline Hydraulic Fluid Lubricating Oil Tensile Strength Ultimate Elongation | ISO 1817 ISO 37 | 7 MPa minimum 200% minimum |
| Fungus Resistance Tensile Strength Ultimate Elongation | ISO 846 ISO 37 | 10 MPa minimum 250% minimum |

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Specification Table:

| Material | Colour | Dielectric Strength (kV/mm) | Unshrunk Diameter (Min. Expanded Diameter - mm) | Fully Shrunk Diameter (Max. Recovered Diameter - mm) | Nominal Recovered Wall (mm) | Length (m) | Part Number |
|------------|--------|-----------------------------|---|--|-----------------------------|------------|--------------------|
| Polyolefin | Black | 25 | 1.2 | 0.6 | 0.45 | 1.2 | SPUL/1.2/1.2MMBLK |
| Polyolefin | | | 1.6 | 0.8 | | | SPUL/1.2/1.6MMBLK |
| Polyolefin | | | 2.4 | 1.2 | 0.5 | | SPUL/1.2/2.4MMBLK |
| Polyolefin | | | 3.2 | 1.6 | | | SPUL/1.2/3.2MMBLK |
| Polyolefin | | | 4.8 | 2.4 | | | SPUL/1.2/4.8MMBLK |
| Polyolefin | | | 6.4 | 3.2 | 0.65 | | SPUL/1.2/6.4MMBLK |
| Polyolefin | | | 9.5 | 4.8 | | | SPUL/1.2/9.5MMBLK |
| Polyolefin | | | 12.7 | 6.4 | | | SPUL/1.2/12.7MMBLK |
| Polyolefin | | | 19 | 9.5 | 0.75 | | SPUL/1.2/19MMBLK |
| Polyolefin | | | 25.4 | 12.7 | 0.9 | | SPUL/1.2/25.4MMBLK |
| Polyolefin | | | 1.2 | 0.6 | 0.45 | 5 | SPUL5M/1.2MMBLK |
| Polyolefin | | | 1.6 | 0.8 | | | SPUL5M/1.6MMBLK |
| Polyolefin | | | 2.4 | 1.2 | 0.5 | | SPUL5M/2.4MMBLK |
| Polyolefin | | | 3.2 | 1.6 | | | SPUL5M/3.2MMBLK |
| Polyolefin | | | 4.8 | 2.4 | | | SPUL5M/4.8MMBLK |
| Polyolefin | | | 6.4 | 3.2 | 0.65 | | SPUL5M/6.4MMBLK |
| Polyolefin | | | 9.5 | 4.8 | | | SPUL5M/9.5MMBLK |
| Polyolefin | | | 12.7 | 6.4 | | | SPUL5M/12.7MMBLK |
| Polyolefin | | | 19 | 9.5 | 0.75 | | SPUL5M/19MMBLK |

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