

Q-PTFE



PTFE HEAT SHRINKABLE TUBING

Features/Applications

Q-PTFE heat shrinkable tubing is manufactured with polytetrafluoroethylene (PTFE). It is specially designed for applications where high temperature and chemical resistance is required. This tubing works great as an electrical insulator and where highly flame retardant properties are required, such as in the automotive, military and aerospace fields.

- Operating temperature: -65°C to +260°C
- Full recovery temperature: 350°C
- Meets: SAE-AMS-DTL-23053/12
- Standard color: Clear
- RoHS Compliant



Technical Data

| Property | Test Method | Typical Data |
|-------------------------------|----------------------|-------------------------|
| Tensile Strength | ASTM D 2671 | ≥ 17.3 MPa |
| Ultimate Elongation | ASTM D 2671 | ≥ 200% |
| Specific Gravity | ASTM D 792 | 2.30 |
| Heat Shock (400°C, 4hrs.) | ASTM D 2671 | No cracking or dropping |
| Cold Bend Test (-65°C, 4hrs.) | ASTM D 2671 | No cracking |
| Volume Resistance | ASTM D 2671 | ≥ 10 ¹⁸ Ω.cm |
| Dielectric Strength | ASTM D 2671 | ≥ 34kV/mm |
| Copper Corrosion | UL 224 | Pass |
| Flammability | ASTM D 2671 | Self-extinguish |
| Fluid Resistance | SAE-AMS-DTL-23053/12 | Excellent |
| Water Absorption | ASTM D 570 | ≤ 0.1 |

Product Dimensions

| Size (AWG) | As Supplied (mm) | After Recovered (mm) | | Standard Packaging Cut to Length Pcs. *(QB) Qty per bag (48" pcs.) |
|------------|------------------------|------------------------|-----------------------|--|
| | Inside Diameter (min.) | Inside Diameter (max.) | Wall Thickness (min.) | |
| 20 | 1.52 | 0.97 | 0.30 | 25 |
| 18 | 1.93 | 1.17 | 0.30 | 25 |
| 16 | 2.36 | 1.45 | 0.30 | 25 |
| 14 | 3.05 | 1.82 | 0.30 | 25 |
| 12 | 3.81 | 2.26 | 0.30 | 25 |
| 10 | 4.85 | 2.80 | 0.30 | 25 |
| 8 | 6.10 | 3.55 | 0.38 | 5 |
| 6 | 7.67 | 4.40 | 0.38 | 5 |
| 4 | 9.40 | 5.45 | 0.38 | 5 |
| 2 | 10.92 | 6.90 | 0.38 | 5 |
| 0 | 11.94 | 8.56 | 0.38 | 5 |

Notes:

1. * See page 13 - Part Number Guide for standard packaging codes.
2. Cross Reference Guide located on page 3.
3. Special sizes, packaging, colors and cut pieces are available upon request.