

Thin wall heat shrink tube

S5-PTFE PTFE Heat Shrink Tube

Introduction

A flame retardant, rigid, very thin wall insulation tube. Suitable for applications requiring high-temperature performance, outstanding abrasion and cut-through resistance, superior chemical and solvent resistance properties. Transparent tubing for easy see-through inspection.

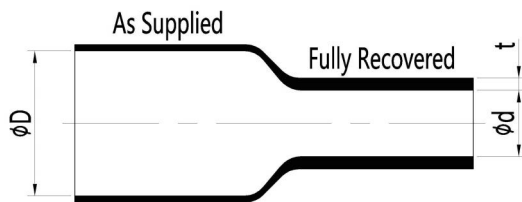
Feature

- Operating temperature: -55 to 250°C
- Minimum full recovery temperature: 350°C
- Excellent solvent and abrasion resistance
- Shrink ratio: 1.7:1
- Standard Color: Clear
- Excellent flame retardant

Dimension

| Part No. S5-PTFE | As supplied(mm) | After recovered(mm) | | Standard length m/roll |
|---------------------|----------------------------|----------------------------|---------------------|---------------------------|
| | Inner diameter D (min.) | Inner diameter d (max.) | Wall thickness t | |
| 0.9/0.5 | 0.9 | 0.5 | 0.23±0.05 | 200 |
| 1.1/0.6 | 1.1 | 0.6 | 0.25±0.05 | 200 |
| 1.2/0.7 | 1.2 | 0.7 | 0.25±0.05 | 200 |
| 1.4/0.8 | 1.4 | 0.8 | 0.30±0.05 | 200 |
| 1.5/1.0 | 1.5 | 1.0 | 0.30±0.05 | 122 |
| 1.9/1.2 | 1.9 | 1.2 | 0.30±0.05 | 122 |
| 2.3/1.6 | 2.3 | 1.6 | 0.30±0.05 | 122 |
| 3.0/1.8 | 3.0 | 1.8 | 0.30±0.05 | 61 |
| 3.8/2.3 | 3.8 | 2.3 | 0.30±0.05 | 61 |
| 4.8/2.8 | 4.8 | 2.8 | 0.30±0.05 | 61 |
| 6.1/3.6 | 6.1 | 3.6 | 0.38±0.10 | 30.5 |
| 7.6/4.5 | 7.6 | 4.5 | 0.38±0.10 | 30.5 |
| 9.4/5.7 | 9.4 | 5.7 | 0.38±0.10 | 30.5 |
| 10.9/7.1 | 10.9 | 7.1 | 0.38±0.10 | 15.2 |
| 11.9/8.8 | 11.9 | 8.8 | 0.38±0.10 | 15.2 |

Ordering Note: Please order according to "model-specification-color", such as S5-PTFE-9.5/5.7-X
Color: Clear (-X)



Technical Data

| Property | Test Method | Requirement |
|------------------------------|----------------|-----------------------------------|
| Density | ASTM D2671 | ≤2.20 g/cm ³ |
| Longitudinal Change | ASTM D2671 | -20% to +20% |
| Restricted recovery | 350°C/5min | No cracking |
| Water absorption | 23°C/24h | ≤0.01% |
| Tensile strength | 50mm/min | ≥17.3 MPa |
| Ultimate elongation | 50mm/min | ≥200% |
| Dielectric strength | -- | ≥31.5 kV/mm |
| Dielectric Voltage Withstand | AC 2500V, 60s | No breakdown |
| Volume resistivity | -- | ≥1×10 ¹⁸ Ω·cm |
| Fluid Resistance | 23°C/24h | |
| Tensile strength | | ≥17.3 Mpa |
| Ultimate Elongation | | ≥200% |
| Dielectric Strength | | ≥31.5 kV/mm |
| Flammability | -- | Self-extinguish not more than 15s |
| Copper corrosion (160°C/16h) | 250°C/16h | No corrosion |
| Heat shock | 400°C/4h | No dripping, flowing or cracking |
| Heat aging | 350°C/96h | |
| Tensile strength | 50mm/min | ≥17.3 Mpa |
| Ultimate Elongation | 50mm/min | ≥200% |
| Dielectric Strength | -- | ≥31.5 kV/mm |
| Low-temperature flexibility | -65°C/4h | No cracking |
| Thermal cycling | -55°C to 250°C | |
| Tensile strength | | ≥17.3 Mpa |
| Ultimate Elongation | | ≥100% |
| Dielectric Strength | | ≥31.5 kV/mm |
| Fungus Resistance | ASTM G21 | No growth |