



ENGLISH

Datasheet

RS 3.2mm Transparent Adhesive Lined Heat Shrink Tubing 3:1, 30cm Length

RS Stock 458-0673



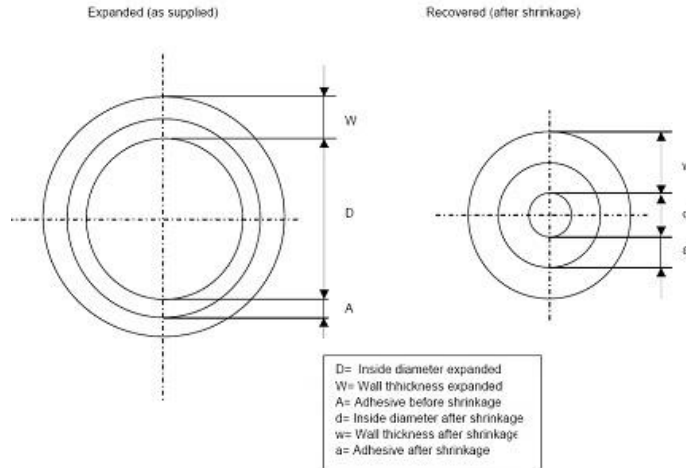
Specifications

| Properties | Test Method | Standard Requirements | Typical Value |
|--|-------------------|------------------------------|-----------------------------|
| Referring Size: 3/1 Shrink Ratio: 3:1 | | | |
| Thermal Properties | | | |
| Continuous Operating Temperature | | -55°C to +105°C | |
| Min. Shrink Temperature for Full Recovery | | +110°C | |
| Shrinking starts at | | +60°C | |
| Elongation After Heat Ageing (136°C x 168h) | UL 224 | 100% min. | 400% |
| Low Temperature Flexibility (-55°C x 4h) | SAE-AMS-DTL-23053 | no cracking | pass |
| Physical Properties | | | |
| Longitudinal Change | SAE-AMS-DTL-23053 | +5% / -15% | -7% |
| Tensile Strength | ASTM D 638 | 10.3MPa min. | 19MPa |
| Elongation at Break | ASTM D 638 | 200% min. | 420% |
| Secant Modulus | ASTM D 882 | 173MPa max. | 125MPa |
| Chemical Properties | | | |
| Water Absorption | ASTM D 570 | 1.0% max. | 0.20% |
| Electrical Properties | | | |
| Voltage Rating | | n.a. | 600V |
| Dielectric Voltage Withstand (2.5kV x 60sec.) | UL 224 | no breakdown | pass |
| Volume Resistivity | ASTM D 876 | 10 ¹² Ohm-cm min. | 3.0x10 ¹⁴ Ohm-cm |
| Dielectric Strength | ASTM D 876 | 11.8kV/mm min. | 30kV/mm |
| Other Properties | | | |
| Sealing Efficiency | SAE-AMS-DTL-23053 | no openings on reheat | pass |



TECHNICAL DRAWING

Tube Front



Dimensions

| BEFORE SHRINKAGE | | AFTER SHRINKAGE | | DELIVERY UNITS | |
|---------------------------|------|---------------------------|-------------------------------|----------------|--------------|
| Inner diameter (EID) min. | | Inner diameter (RID) max. | Wall thickness (RWT) min- max | Unit quantity | Box quantity |
| [type] | [mm] | [mm] | [mm] | [m] | [m] |
| 3/1 | 3,2 | 0,6 | nom. 0,95 | 60 | 600 |
| 4,5/1,5 | 4,8 | 1,5 | nom. 1,10 | 60 | 300 |
| 6/2 | 6,4 | 2,0 | nom. 1,20 | 60 | 300 |
| 9/3 | 9,5 | 3,0 | nom. 1,30 | 30 | 150 |
| 12/4 | 12,7 | 4,0 | nom. 1,40 | 30 | 150 |
| 19/6 | 19,0 | 6,0 | nom. 1,80 | 18 | 90 |
| 24/8 | 24,0 | 8,0 | nom. 2,50 | 18 | 90 |
| 40/13 | 40,0 | 13,0 | nom. 2,50 | 6 | 12 |