

LSO



Dual Wall Adhesive-Lined Heat-Shrink Polyolefin Tubing

Features and Application

Meets most applicable worldwide automotive OEM splice sealing specifications

Complete environmental and moisture sealing

Mechanical protection (flexing, abrasion, cut-through)

Component solution –to seal, protect and insulate

Tubing and adhesive combination – for superior strain relief

Dimensions 4:1 (4X)

| Size | | AS Supplied | After Recovery | | | Standard Package | |
|------|-------|------------------------------|------------------------------|---------------------------------|-------------------------------|---------------------------|------|
| Inch | mm | Internal Diameter mm(min) | Internal Diameter mm(max) | Total Wall Thickness mm(nom) | Adhesive Thickness mm(nom) | Length/m Spool Stick | |
| 1/16 | 4,00 | 4,00 | 1,00 | 1,40±0,30 | 0,70±0,20 | 200 | 1,22 |
| 3/32 | 5,75 | 5,75 | 1,27 | 1,70±0,30 | 0,80±0,20 | 100 | 1,22 |
| 1/8 | 7,40 | 7,40 | 1,65 | 2,00±0,30 | 0,95±0,20 | 100 | 1,22 |
| 3/16 | 10,80 | 10,80 | 2,41 | 2,45±0,40 | 1,20±0,20 | 50 | 1,22 |
| 1/4 | 14,00 | 14,00 | 3,50 | 2,50±0,40 | 1,20±0,30 | - | 1,22 |
| 5/16 | 16,00 | 16,00 | 4,00 | 2,60±0,40 | 1,35±0,30 | - | 1,22 |
| 3/8 | 17,78 | 17,78 | 4,20 | 2,60±0,40 | 1,35±0,30 | - | 1,22 |

other diameters upon request

TECHNICAL DATA SHEET

Revision Number. 1

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Technical Data

| Property | Test method | Standard Performance |
|--|---|----------------------|
| Tensile strength(MPa) | ASTM D2671 | 13,8 |
| Elongation(%) | ASTM D2671 | 200 |
| Dielectric strength (kv/mm) | IEC 60243 | 15 |
| Volume resistance (Ω .cm) | IEC 60093 | 1×10 ¹⁴ |
| Operation temperature | -40°C-105°C | |
| Rated Voltage | 600V | |
| Shrink temperature | 125°C-200°C | |
| Shrink Ratio/Longitudinal Shrink Ratio | Shrink Ratio 4:1 1/Longitudinal Shrink Ratio <± 8 | |
| Environment | RoHS Complaint | |
| Standard Color | Clear | |

Adhesive

| Property | Test method | Standard Performance |
|---------------------|-------------|----------------------|
| Water Absorption | ASTM D 570 | <0,2% |
| Softening Point(°C) | ASTM E 28 | 100 °C ± 5°C |
| Peel strength (PE) | ASTM D 1000 | 120N/25mm |
| Peel strength (AL) | ASTM D 1000 | 80N/25mm |