

# 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<br>Internal<br>Diameter<br>mm(min) | After Recovery               |                                 |                               | Standard Package          |      |
|------|-------|------------------------------------------------|------------------------------|---------------------------------|-------------------------------|---------------------------|------|
| Inch | mm    |                                                | Internal Diameter<br>mm(max) | Total Wall Thickness<br>mm(nom) | Adhesive Thickness<br>mm(nom) | Length/m<br>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

| 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 <sup>14</sup>   |
| 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             |