LinkSolutions

# LSX

LSX series of heat shrinkable wrap around sleeves for corrosion protection consist of a radiation cross-linked heat shrinkable backing, coated on the inside with a proprietary formulation of heat activated adhesive. While the modified polyethylene material of the backing offers superior mechanical protection, the thermoplastic adhesive offers excellent corrosion protection to pipeline surfaces, under demanding conditions.

## Features and Application

3:1 shrink ratio

Shrink temperature 100°C

Operating temperature -45°C to +105°C

Store in original packaging.

Recommended temperature at

+10°C to +25°C

and 45-55% relative humidity

## Dimensions

| SIZE | AS SUPPLIED | AFTER RECOVERY |
|---|---|---|
| mm | INTERNAL DIAMETER mm(min) | INTERNAL DIAMETER mm(max) |
| 30/12 | 30 | 12 |
| 40/18 | 40 | 18 |
| 50/18 | 50 | 18 |
| 65/22 | 65 | 22 |
| 85/30 | 85 | 30 |
| 100/35 | 100 | 17 |
| 120/40 | 120 | 40 |
| 150/50 | 150 | 50 |
| 180/58 | 180 | 58 |
| 195/70 | 195 | 70 |

## Electrical

| Properties | Test Method | Typical value |
|---|---|---|
| Dielectric strength | IEC 243 | ≥20 kV/mm² |
| Volume resistivity | IEC 93 | $10^{14}$ Ω cm |

## Technical Data

| Properties | Test Method | Typical value |
|---|---|---|
| Tensile strength | ASTM D 638 | ≥13 MPa |
| Elongation at break | ASTM D 637 | ≥300% |
| Longitudinal change | | ≤±10% |
| Water absorption | ISO 62 | ≤0.1% |
| Specific gravity | ASTM D 792 | 1.47 g/cm³ |
| Density | ASTM D 792 | 1.2 g/cm³ |
| Elongation after ageing | ASTM D 2671 (120°C x 168h) | ≥ 210% |

## Adhesive

| Properties | Test method |
|---|---|
| Water absorption | ASTM D 570 |
| Softening point | ASTM E 38 |
| Peel strength (PE) | ASTM D 1000 |
| Peel strength (AL) | ASTM D 1000 |

## Chemical

| Properties | Test method | Typical value |
|---|---|---|
| Fungus resistance | ISO 846 | Pass |
| Chemical resistance | AMS-DTL-23053/5 | Good |
| Copper corrosion | ASTM D 638 | No corrosion |