

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/mm ²
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/cm ³
Density	ASTM D 792	1.2 g/cm ³
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