

TS(M), TS(A)

HEAT SHRINK TUBULAR SLEEVE
For joint coating of pipelines



PRODUCT DESCRIPTION

TS series Tubular Sleeves have an irradiated polyolefin backing, coated with a mastic or hot melt adhesive on the inside. Being a single piece, it is easier to install as compared to the wraparound design and offers higher integrity of protection. The adhesive coated sleeves can be used with or without primer, depending on the application. Mastic coated sleeves are suitable for lower pipeline operating temperatures.

SPECIFICATIONS

| Property | Test Method | Unit | Typical Value | |
|------------------------|-------------|-------------------|----------------------|----------------------|
| | | | TS(M) | TS(A) |
| Pipe Temperature (Max) | - | - | 50°C | 60°C |
| Tensile Strength | ASTM D638 | psi | 2,500 | 2,700 |
| Ultimate Elongation | ASTM D638 | % | 500 | 500 |
| Volume Resistivity | ASTM D257 | Ω-cm | 1 x 10 ¹⁵ | 1 x 10 ¹⁵ |
| Dielectric Strength | ASTM D149 | kV/mm | 25 | 25 |
| Water Absorption | ASTM D570 | % Wt | 0.05 | 0.05 |
| Softening Point | ASTM E28 | °C | 78 | 110 |
| Peel Strength | DIN 30672 | N/cm | 60 | 60 |
| Lap Shear Strength | DIN 30672 | N/cm ² | 140 | 140 |
| Impact Resistance | DIN 30672 | J | >15 | >15 |
| Penetration Resistance | ASTM G17 | - | Passes | Passes |
| Cathodic Disbondment | ASTM G42 | mm-radius | - | 10 |
| Dielectric Breakdown | ASTM D149 | kV | 40 | 40 |

RANGE & DIMENSIONS

| | |
|---------------------------|---|
| Sleeve Diameter | Suitable for different pipe diameters from DN 50 to DN 1500 |
| Sleeve Width | Standard width is 500mm. Other widths against request. |
| Backing Thickness | 1.2mm or 1.5mm according to pipe diameter. |
| Adhesive Thickness | 0.8mm. Other thickness against request. |

ORDERING INFORMATION

To order these sleeves, please mention Type - Pipe Size - Sleeve Width - Backing Thickness / Adhesive or Mastic Thickness.

Eg. "TS(M)-610-500-1.2/0.8" or "TS(A)-1016-450-1.5/0.8"

Disclaimer:
The above information is for guidance only and is subject to change without notice.