



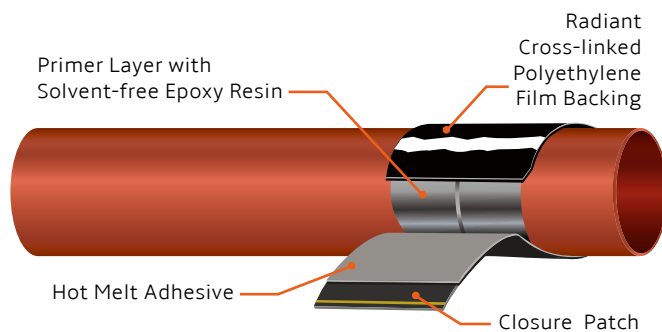
HEAT-SHRINKABLE POLYETHYLENE WRAP TAPE

PRODUCT DATA SHEET

HEAT-SHRINKABLE POLYETHYLENE WRAP TAPE

YUXI's heat-shrinkable wrap tape is a hot-applied, high-density polyethylene wraparound sleeve tailored to prevent corrosion of buried and above-ground steel pipeline systems and repair of damaged factory coatings in pipeline construction.

This heat-activated tape is composed of three layers: a primer layer with solvent-free epoxy resin for strong bonding and deep penetration, a hot melt adhesive layer with high-shear copolymer that seals gaps, and a radiant cross-linked polyethylene film backing layer for durability and shrinkage properties.



FEATURES

- Excellent anti-corrosion performance
- Fast application
- Strong weather resistance
- Excellent resistance to cathodic disbondment
- Non-hardening and non-cracking
- Strong sealing

PRACTICAL APPLICATION

Our 3-layer heat-shrinkable tape is used for protection of straight pipes, pipe bends, pipe fittings, elbows, welded field joints, flange connections and other irregular configurations.



HEAT-SHRINKABLE POLYETHYLENE WRAP TAPE

PHYSICAL PROPERTIES

■ Polyethylene Film Backing

Technical Measurement	Test Method	Performance
Tensile Strength	ASTM D638	20 MPa (2900 psi)
Elongation at Break	ASTM D638	550%
Specific Gravity	ASTM D792	0.95
Hardness (Shore D)	ASTM D2240	48
Dielectric Strength	ASTM D149	20 kV/mm
Water Absorption	ASTM D570	0.05%
Shrink Force	ASTM D638	240 kPA (35 psi)
Volume Resistivity	ASTM D257	1 x 10 ¹⁶ Ω.cm

■ Hot Melt Adhesive

Technical Measurement	Test Method	Performance
Softening Point	ASTM E28	85 °C
Lap Shear	ASTM D1002	276 kPA (40 psi)

■ Heat-shrinkable Sleeve (installed)

Technical Measurement	Test Method	Performance
Peel Strength (to Steel)	ASTM D4541	35 N/cm (320 oz/in)
Low Temperature Flexibility	ASTM D2671	-20 °C
Cathodic Disbondment	ASTM G8 (30days, @23 °C)	10 mm (0.39")
Impact Resistance	DIN EN 12068	Pass
Indentation Resistance	DIN EN 12068	Pass
Dielectric Breakdown	ASTM D149	35 kV

SPECIFICATION

Item No.	Tape Thickness	Width	Length
YX-SPET-300	2.0 mm (79 mils)	300 mm (12")	10/15/20/30 m (33/49/66/98 ft.)
YX-SPET-450	2.2 mm (87 mils)	450 mm (18")	10/15/20/30 m (33/49/66/98 ft.)
YX-SPET-600	2.5 mm (98 mils)	600 mm (24")	10/15/20/30 m (33/49/66/98 ft.)
YX-SPET-900	2.9 mm (114 mils)	900 mm (35")	10/15/20/30 m (33/49/66/98 ft.)

Note: All dimensions shown above are nominal. The information provided is subject to change without notice.





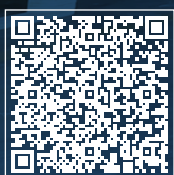
Industrial Corrosion Control Solutions Provider

Established in 2003, YUXI has over a 20-year heritage of innovation in corrosion control science and technology. We're a spirited team of ambitious thinkers and pioneer sheep with a common goal in mind: protect our clients' assets from corrosion with cost-saving measures.

We have the most comprehensive catalog of cathodic protection materials including anodes, transformer rectifiers, backfills, coatings, etc. Our anodes and supplies are manufactured to strict quality standards through an ISO 9001 quality management system and are guaranteed to offer excellent performance in the industry.



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