

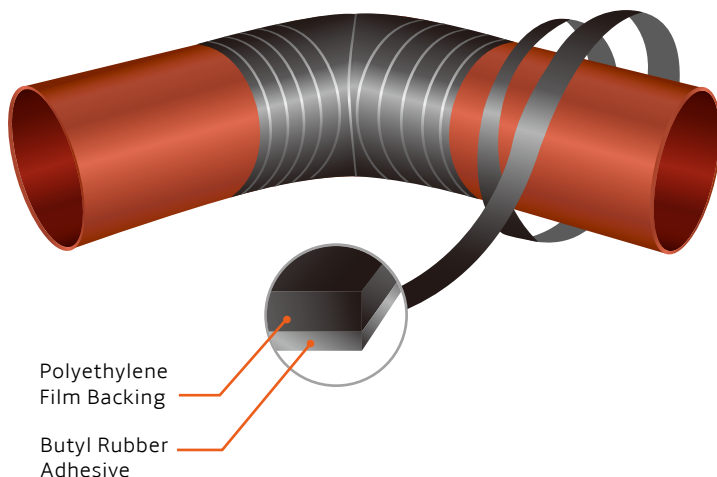


POLYETHYLENE (PE) JOINT WRAP TAPE

PRODUCT DATA SHEET

POLYETHYLENE (PE) JOINT WRAP TAPE

YUXI's polyethylene joint wrap tape is a practical solution for sealing, reinforcing and corrosion protection of joints in piping systems. It comprises a butyl rubber adhesive layer and a high-density polyethylene film backing. This cold-applied tape provides a moisture-resistant and chemical-resistant seal, rendering it ideal for a wide range of environments.



Polyethylene Film Backing Thickness	Butyl Rubber Adhesive Thickness	Tape Thickness
0.254 mm (10 mils)	0.254 mm (10 mils)	0.51 mm (20 mils)
0.254 mm (10 mils)	0.381mm (15 mils)	0.635 mm (25 mils)
0.254 mm (10 mils)	0.508 mm (20 mils)	0.76 mm (30 mils)
0.381 mm (15 mils)	0.508 mm (20 mils)	0.89 mm (35 mils)

FEATURES

- Heavy duty adhesive
- Resistant to UV
- Can be applied over a wide temperature range
- Good conformability and consistent uniform thickness

PRACTICAL APPLICATION

Our tape is specifically designed for use on welded joints, girth-weld joints, bends and fittings of buried pipelines. Additionally, it serves purposes in pipeline rehabilitation, pipeline coating repairs and a multitude of other applications.



POLYETHYLENE (PE) JOINT WRAP TAPE

PHYSICAL PROPERTIES

Technical Measurement	Test Method	Performance			
Tape Thickness	ASTM D1000	0.51 mm (20 mils)	0.635 mm (25 mils)	0.76 mm (30 mils)	0.89 mm (35 mils)
Tensile Strength	ASTM D1000	44 N/cm (402 oz/in)	44 N/cm (402 oz/in)	44 N/cm (402 oz/in)	52 N/cm (475 oz/in)
Elongation at Break	ASTM D1000	350%	350%	350%	400%
Peel Strength (to Primed Steel)	ASTM D1000	25 N/cm (228 oz/in)	26.5 N/cm (242 oz/in)	30 N/cm (274 oz/in)	33 N/cm (302 oz/in)
Water Vapor Transmission Rate	ASTM F1249	≤ 0.3 g/m ² /24 h			
Water Absorptivity	ASTM D570	≤ 0.1%			
UV Resistance	600 h	≥ 80%			
Application Temperature	/	-5 °C ~ 50 °C			
Service Temperature	/	-30 °C ~ 85 °C			

ELECTRICAL PROPERTIES

Technical Measurement	Test Method	Performance			
Tape Thickness	ASTM D1000	0.51 mm (20 mils)	0.635 mm (25 mils)	0.76 mm (30 mils)	0.89 mm (35 mils)
Dielectric Strength	ASTM D1000 / D149	23 kV	28 kV	29 kV	30 kV
Cathodic Disbandment	ASTM G8	6.4 mm (0.25")			
Volume Resistivity	ASTM D257	2.5 x 10 ¹⁵ Ω.cm			

SPECIFICATION

Item No.	Tape Thickness	Width	Length
YX-PEJT-30/2	0.76 mm (30 mils)	50 mm (2")	30/50/100 m (98/164/328 ft.)
YX-PEJT-30/4	0.76 mm (30 mils)	100 mm (4")	30/50/100 m (98/164/328 ft.)
YX-PEJT-30/6	0.76 mm (30 mils)	150 mm (6")	30/50/100 m (98/164/328 ft.)
YX-PEJT-35/2	0.89 mm (35 mils)	50 mm (2")	30/50/100 m (98/164/328 ft.)
YX-PEJT-35/4	0.89 mm (35 mils)	100 mm (4")	30/50/100 m (98/164/328 ft.)
YX-PEJT-35/6	0.89 mm (35 mils)	150 mm (6")	30/50/100 m (98/164/328 ft.)
YX-PEJT-40/2	1.02 mm (40 mils)	50 mm (2")	30/50/100 m (98/164/328 ft.)
YX-PEJT-40/4	1.02 mm (40 mils)	100 mm (4")	30/50/100 m (98/164/328 ft.)
YX-PEJT-40/6	1.02 mm (40 mils)	150 mm (6")	30/50/100 m (98/164/328 ft.)
YX-PEJT-50/2	1.27 mm (50 mils)	50 mm (2")	30/50/100 m (98/164/328 ft.)
YX-PEJT-50/4	1.27 mm (50 mils)	100 mm (4")	30/50/100 m (98/164/328 ft.)
YX-PEJT-50/6	1.27 mm (50 mils)	150 mm (6")	30/50/100 m (98/164/328 ft.)



Color Options:

BLACK WHITE BLUE

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





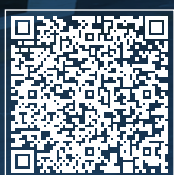
Industrial Corrosion Control Solutions Provider

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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www.yuxi-anode.com

5/F, Building No.4,
1819 Yongmao East Road,
Ningbo 315201, China

E-mail: info@yuxi-anode.com

Tel: +86 (574) 83882233

Fax: +86 (574) 83882238