

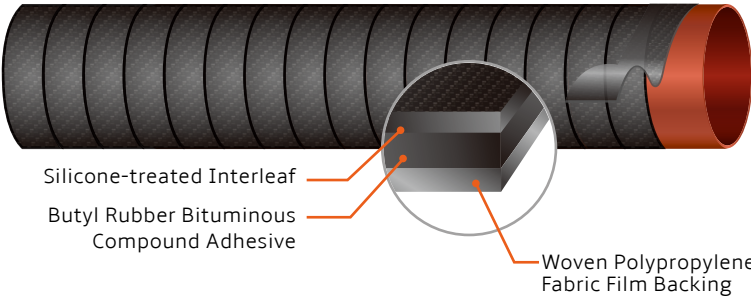


POLYPROPYLENE (PP) MESH MEMBRANE TAPE

PRODUCT DATA SHEET

POLYPROPYLENE (PP) MESH MEMBRANE TAPE

YUXI's polypropylene (PP) mesh membrane is a self-adhesive sealing tape designed for structure reinforcement, waterproofing and corrosion prevention in construction and maintenance applications. This cold applied tape consists of three integral layers: a potent adhesive layer formulated with a butyl rubber bituminous compound for strong bonding; a reinforced, tear-resistant mesh backing crafted from stabilized woven polypropylene fabric for durability; and a silicone-treated interleaf that serves to prevent the tape from sticking to itself during storage and handling, ensuring ease of use.



Polypropylene Film Backing Thickness	Butyl Rubber Adhesive Thickness	Tape Thickness
0.305 mm (12 mils)	0.715 mm (28 mils)	1.02 mm (40 mils)
0.305 mm (12 mils)	0.965 mm (38 mils)	1.27 mm (50 mils)
0.305 mm (12 mils)	1.095 mm (43 mils)	1.4 mm (55 mils)
0.305 mm (12 mils)	1.345 mm (53 mils)	1.65 mm (65 mils)

FEATURES

- High bond strength
- Excellent conformability and consistent uniform thickness
- High resistance to bad weather environment
- Can be applied over a wide temperature range
- Excellent resistance to cathodic disbandment

PRACTICAL APPLICATION

Our tape is utilized for the corrosion prevention of underground or overhead steel pipelines carrying oil, gas, and water, as well as waterproofing for roofs, tanks, and culverts.



POLYPROPYLENE (PP) MESH MEMBRANE TAPE

PHYSICAL PROPERTIES

Technical Measurement	Test Method	Performance			
Total Thickness	ASTM D1000	1.02 mm (40 mils)	1.27 mm (50 mils)	1.4 mm (55 mils)	1.65 mm (65 mils)
Tensile Strength	ASTM D4632	55 MPa			
Elongation at Break	ASTM D1000	< 20%			
Puncture Resistance	ASTM E154	1500 kPa			
Impact Resistance	ASTM G14	>5 N·m			
Peel Strength (to Primed Steel)	ASTM D1000	41 N/cm (375 oz/in)	41 N/cm (375 oz/in)	43 N/cm (393 oz/in)	43 N/cm (393 oz/in)
Peel Strength (to Backing)	ASTM D1000	≥32 N/cm (292 oz/in)			
Water Vapor Transmission Rate	ASTM F1249	<0.3 g/㎡/24h			
Water Absorptivity	ASTM D570	< 0.3%			
Application Temperature	/	5 °C~50°C			
Service Temperature	/	-30 °C~85°C			

ELECTRICAL PROPERTIES

Technical Measurement	Test Method	Performance			
Tape Thickness	ASTM D1000	1.02 mm (40 mils)	1.27 mm (50 mils)	1.4 mm (55 mils)	1.65 mm (65 mils)
Dielectric Strength	ASTM D149	12 kV	13 kV	14 kV	15 kV
Cathodic Disbandment	ASTM G8	5 mm (0.2")			
Volume Resistivity	ASTM D257	2.5 x 10 ¹⁵ Ω.cm			

SPECIFICATION

Item No.	Tape Thickness	Width	Length
YX-PPMM-40/2	1.02 mm (40 mils)	50 mm (2")	10/30/50/100 m (33/98/164/328 ft.)
YX-PPMM-40/4	1.02 mm (40 mils)	100 mm (4")	10/30/50/100 m (33/98/164/328 ft.)
YX-PPMM-40/6	1.02 mm (40 mils)	150 mm (6")	10/30/50/100 m (33/98/164/328 ft.)
YX-PPMM-50/2	1.27 mm (50 mils)	50 mm (2")	10/30/50/100 m (33/98/164/328 ft.)
YX-PPMM-50/4	1.27 mm (50 mils)	100 mm (4")	10/30/50/100 m (33/98/164/328 ft.)
YX-PPMM-50/6	1.27 mm (50 mils)	150 mm (6")	10/30/50/100 m (33/98/164/328 ft.)
YX-PPMM-55/2	1.4 mm (55 mils)	50 mm (2")	10/30/50/100 m (33/98/164/328 ft.)
YX-PPMM-55/4	1.4 mm (55 mils)	100 mm (4")	10/30/50/100 m (33/98/164/328 ft.)
YX-PPMM-55/6	1.4 mm (55 mils)	150 mm (6")	10/30/50/100 m (33/98/164/328 ft.)
YX-PPMM-65/2	1.65 mm (65 mils)	50 mm (2")	10/30/50/100 m (33/98/164/328 ft.)
YX-PPMM-65/4	1.65 mm (65 mils)	100 mm (4")	10/30/50/100 m (33/98/164/328 ft.)
YX-PPMM-65/6	1.65 mm (65 mils)	150 mm (6")	10/30/50/100 m (33/98/164/328 ft.)



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





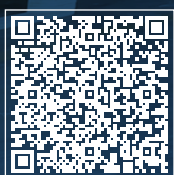
Industrial Corrosion Control Solutions Provider

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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