



Polyethylene Anti-Corrosion Tapes (Inner tape - T100)

The YUXI T100 series is Cold applied tape coating system for corrosion protection of Oil, Gas, Petrochemical, and Waste Water underground or overhead pipelines.

The inner-layer tape shall be applied after the Liquid adhesive and before the outer-layer tape by hand or with a wrapping machine.

STRUCTURE

The specification of the tape consists of two layers, adhesive layer and film backing

Adhesive: Butyl rubber

Film backing: Special blend of stabilized polyethylene

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FEATURES

- ▶ Excellent adhesion to pipe and self
- ▶ Can be applied over a wide temperature range
- ▶ Good conformability and consistent uniform thickness
- ▶ Easily applied with no special equipment
- ▶ Compatible with common pipe coatings
- ▶ Excellent resistance to cathodic disbonding
- ▶ Meets ASTM D 1000 and other int'l Standards
- ▶ Cold applied



SPECIFICATIONS

Item & Standard	T-150	T-165	T-175
Total Thickness (ASTM D 1000)	0.510mm	0.635mm	0.762mm
Backing Thickness (ASTM D 1000)	0.310mm	0.335mm	0.390mm
Adhesive Thickness (ASTM D 1000)	0.200mm	0.300mm	0.372mm
Elongation at Break (ASTM D 1000)		≥400%	
Tensile Strength (ASTM D 1000)	55N/cm	60N/cm	63N/cm
Yield Strength (ASTM D 1000)	40N/cm	45N/cm	50N/cm
Peel Adhesion to Primed Steel Pipe (ASTM D 1000)	25N/cm	30N/cm	32N/cm
Dielectric Strength (ASTM D 1000/D 149)	35KV	42KV	45KV
Cathodic Disbandment (ASTM G8)		0.24 in radius 6.4mm	
Volume Resistivity(ASTM D 257)		2.5 x 10 ¹² ohm·m	
Water Vapor Transmission Rate (ASTM F1249)		0.1 gm/M ² /24h	
Water Absorption Rate (ASTM D 570)		<0.10%	
Recommended Application Temperature		-5 to+60°C	
Max Serve Temperature		-40 to+85°C	
Color		Black	
Available Roll Size (width x length)		2"to32"X50' to800'	