

T200 Outer Tape

Coating System for pipelines-Outer Layer

T200 series are 2-Ply polyethylene (PE) anticorrosive adhesive tapes. It is Cold wrap tape coating system for Corrosion Protection of Water, Oil and Gas Pipelines.

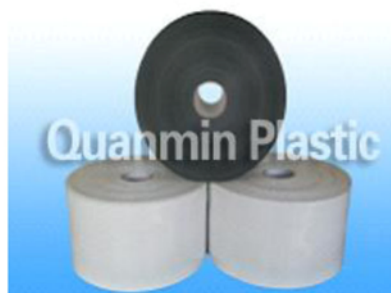
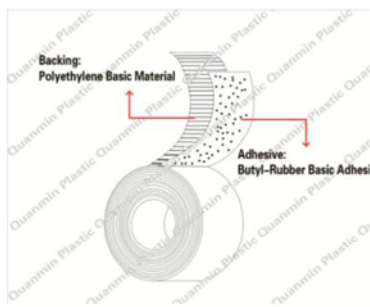
The outer-layer tape backing shall be compounded so that it will be resistance to outdoor weathering.

Features

- Excellent adhesion to inner-layer tape and self
- Resistant to UV
- 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 EN12068 Standard
- Cold applied

Technical Data sheet

Type	T238-15	T251-20	T264-25	T276-30
Total thickness	0.381mm	0.510mm	0.637mm	0.762mm
Polyethylene Film	0.281mm	0.381mm	0.510mm	0.635mm
Butyl Rubber Adhesive	0.100mm	0.130mm	0.127mm	0.127mm
Elongation at break	400%	430%	450%	400%
Tensile Strength	56.3 N/cm	68.8 N/cm	72.2 N/cm	75.0 N/cm
Yield Strength	35.2 N/cm	43.0 N/cm	45.0 N/cm	50.0 N/cm
Adhesion to backing at	5.0 N/cm	5.0 N/cm	5.0 N/cm	5.0 N/cm
Dielectric Strength	34.0 KV	36.0 KV	38.5KV	40.0 KV
Impact resistance	≥5.5 N•m			
Cathodic Disbondment	6.4mm			
Volume Resistivity	≥2.3X10 ¹⁵ ohm.m			
Water Vapor Transmission rate	≤0.08 g/m ² /24h			
Water Absorption Rate	≤0.05%			
Application Temperature, Max Serve Temperature	-34 °C to +85 °C, +85 °C			
Color	White ,Black, yellow or other			
Available Roll Size(width * length)	50 to 750mm X 15 to 240 m			



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Test Data sheet

Physical Properties	Test Method	Typical Value	
		English	Metric
Total thickness	ASTM D 1000	25 mils	0.640mm
Backing thickness	ASTM D 1000	20 mils	0.510mm
Adhesive thickness	ASTM D 1000	5 mils	0.130mm
Width	-	9"	228mm
Length	-	800'	244m
Backing color	-	White	White
Tensile strength	ASTM D 1000	41.23 lbs/in	72.2N/cm
Elongation	ASTM D 1000	450%	450%
Adhesion to backing at	ASTM D 1000	45.7 oz/in	5.0N/cm
Cathodic Disbondment	ASTM G 8	0.252 in radius	6.4mm
Dielectric Strength	ASTM D 149	38.0 KV	38.0 KV
Impact resistance	ASTM G 14	50 in-lbs	5.5 N•m
Volume Resistivity	ASTM D 257	2.5×10^{15} ohm.cm	2.5×10^{15} ohm.cm
Water Absorptivity	ASTM D 570	0.05%	0.05%
Water Vapor Transmission Rate 24 h	ASTM F 1249	0.005 g/100sq in/24h	0.075 g/ m ² .24h
Application Temperature	-	-29°F to 185 °F	-34 °C to +85 °C
Max Service Temperature	-	185°F	+85 °C

