

T300 Joint Tape

Coating System for Girth Weld Coating, Coating of Fitting, Coating Repair –Joint wrap

T300 series are 2-Ply polyethylene (PE) anticorrosive adhesive tapes. It is Cold wrap tape coating system for Girth Weld Coating, Coating of Fitting, Coating Repair.

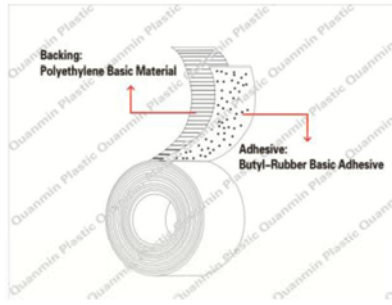
In order to promote high adhesion of the coating system to the pipe, the higher Solid content primer is recommended. More Primer Solid content, providing maximum handling for the coating system with PE tapes.

Features

- Heavy duty adhesive
- Resistant to UV
- Can be applied over a wide temperature range
- Easily applied with no special equipment
- Conformable to irregular shapes.
- Meets ASTM D 1000 and EN12068 Standard
- Cold applied
- BR-Butyl-Rubber basic adhesive
- BC- Butyl Bitumen compound adhesive

Technical Data sheet

Type	T365-25	T371-28	T389-35	T3100-40	T3130-50
Total thickness	0.650mm	0.711mm	0.889mm	1.020mm	1.270mm
Polyethylene Film	0.390mm	0.330mm	0.165mm	0.400mm	0.254mm
Synthetic Adhesive	0.260mm	0.381mm	0.724mm	0.620mm	1.016mm
Elongation at break	550%	510%	340%	300%	310%
Tensile Strength	75.0 N/cm	82.0 N/cm	45.5 N/cm	65.2 N/cm	68.8 N/cm
Yield Strength	50.0 N/cm	54.5 N/cm	28.4 N/cm	41.0 N/cm	43.0 N/cm
Peel Adhesion to Primed Pipe	28.0 N/cm	28.0 N/cm	38.0 N/cm	35.0 N/cm	42.5 N/cm
Adhesion to backing at	5.3 N/cm	5.3 N/cm	7.5 N/cm	6.5 N/cm	8.3 N/cm
Dielectric Strength	27.0 KV	28.0 KV	26.5 KV	28.0 KV	30.0KV
Cathodic Disbondment	6.4mm				
Volume Resistivity	$\geq 2.5 \times 10^{15}$ ohm.m				
Water Vapor Transmission rate	≤ 0.1 g/m ² /24h				
Water Absorption Rate	<0.06%				
Application Temperature	-34 °C to +85 °C				
Max Serve Temperature	+80 °C				
Available Roll Size(width*length)	50 to 750mm X 15 to 240 m				
Color	White, Black, Yellow or other				



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Test Data sheet

Properties	Test Method	Typical Value	
		English	Metric
Total thickness	ASTM D 1000	35 mils	0.890mm
Backing thickness	ASTM D 1000	6 mils	0.165mm
Adhesive thickness	ASTM D 1000	29 mils	0.725mm
Width	-	4"	101mm
Length	-	200"	61m
Backing color	-	white	white
Tensile strength	ASTM D 1000	26.0 lbs/in	45.5 N/cm
Elongation	ASTM D 1000	340%	340%
Peel Adhesion to primed steel pipe	ASTM D 1000	347 oz/in	38 N/cm
Cathodic Disbondment	ASTM G 8	0.252 in radius	6.4mm
Dielectric Strength	ASTM D 149	26.5KV	26.5 KV
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 (24h)	ASTM F 1249	0.006g/100sq in/24h	0.10g/ m ² .24h
Application Temperature	-	-29°F to 185 °F	-34°C to +85 °C
Max Service Temperature	-	185°F	+85 °C

