



UPS TR2 Outer Tape is a cold applied tape coating system for protection of Oil, Gas, Petrochemical and Waste Water, both for underground and overhead pipelines. The Outer Layer Tape backing shall be manufactured so that it will be resistant to outdoor weathering. The Outer Layer Tape shall be applied after the UPS TR1 Inner Tape by hand or with a wrapping machine.

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

Adhesive: Butyl Rubber  
Film Backing: Special blend of stabilized polyethylene

**Features**

- Excellent adhesion to UPS TR1 Inner Tape and UV Resistant
- 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 Standard
- Cold applied

Item	TR2-50	TR2-65	TR1-80	Test Method
Total Thickness	0.51mm	0.65mm	0.80mm	ASTM D 1000
Backing Thickness	0.38mm	0.51mm	0.63mm	ASTM D 1000
Adhesive Thickness	0.13mm	0.14mm	0.17mm	ASTM D 1000
Elongation at Break		≥400%		ASTM D 1000
Tensile Strength	58 N/cm	63 N/cm	65 N/cm	ASTM D 1000
Yield Strength	35.9 N/cm	43.4 N/cm	45.8 N/cm	ASTM D 1000
Dielectric Breakdown	32.9 KV/mm	43.5 KV/mm	45.2 KV/mm	ASTM D 1000
Cathodic Disbandment		0.24 in radius 6.4mm		ASTM G8
Volume Resistivity		2.5 x 10 <sup>12</sup> ohm.m		ASTM D 257
Water Vapour Transmission Rate		≤ 0.1gm/m <sup>2</sup> /24hr		ASTM F 1249
Water Absorption Rate		< 0.10%		ASTM D570
Recommended Application Temperature		-5°C to 60°C (23°F to 140°F)		-
Colour		White, Back, Yellow or Other		-

**Packaging**

UPS TR2 Outer Tape is supplied in the following;  
0.38mm  
0.5mm  
0.65mm  
0.8mm

**Health And Safety**

As long as normal good practice is observed UPS TR2 Outer Tape can be safely used. Protective gloves should be worn during use.

A fully detailed Material Safety Data Sheet is either included with the material or is available on request.

The information provided in this Technical Data Sheet is intended as a general guide only and should not be used for specification purposes. The information is given in good faith but we assume no responsibility for the use made of the product or this information because this is outside the control of Unique Polymer Systems LTD. Users should determine the suitability of the product for their own particular purposes by their own tests.

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