

DENSOPOL 80 HT TAPE

DESCRIPTION An extremely tough cold applied laminate tape for use in tropical climates. The combination of tough pvc backing and fabric reinforced adhesive makes it extremely resistant to damage by sharp backfill. It is intended for the protection of buried or submarine pipes, welded joints, bends and fittings. It may be applied by hand or machine to medium and large diameter pipes.

COMPOSITION Synthetic fibre fabric impregnated and coated with a polymer modified bitumen adhesive laminated to a thick pvc sheeting. The adhesive surface is protected by a plastics film interleaving which is discarded during application.

TYPICAL PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUE	TOLERANCE
Breaking Strength	23°C	ASTM D1000	N/mm	10	8 MIN
	40°C		N/mm	5	
Modulus @ 10% EXT	23°C	ASTM D1000	N/mm	8	
	40°C		N/mm	4	
Elongation at Break	23°C	ASTM D1000	%	22	15 MIN
	40°C		%	22	
Tear Strength	23°C	ASTM D1004	N	75	±5
Adhesion Peel Strength		ASTM D1000 (24 hr)			
<i>To Primed Steel</i>	23°C		N/mm	4	3.0-5.0
	50°C		N/mm	0.4	
<i>To Self</i>	23°C	N/mm	3	2.0-4.0	
	50°C	N/mm	0.3		
Impact Resistance (Double layer)	23°C 40°C	ASTM G14	Nm	10	±2
			Nm	5	
Indentation Resistance (Double layer)		DIN 30672 Pt.1 CLASS C			
<i>Residual Thickness</i>	23°C		mm	0.8	
	40°C		mm	0.5	
<i>Continuity @ 15kV After Indentation</i>	23°C		PASS		
	40°C		PASS		
Cathodic Disbonding Resistance (Double Layer)	23°C	ASTM G8 METHOD A 30 day RADIUS	mm	15	20 MAX

cont'd.../2

**DENSOPOL 80 HT TAPE (cont'd)**

TYPICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUE	TOLERANCE
Breakdown Voltage (Single Layer) 23°C (Double Layer) 23°C	ASTM D1000	kV Kv	20 40	MIN
Insulation Resistance 23°C		Megohm	10 ⁶	
Water Vapour Transmission (Double Layer)	ASTM E96 32°C/50% RH	g/m ² /day	0.55	
Dimensions <i>Thickness</i> <i>Length of Roll</i> <i>Width</i> <i>Weight</i>	ASTM D1000	mm m mm kg/m ²	1.85 10.00 NOMINAL 2.28	±0.25 -0, +0.25 ±2mm ±0.20
Temperature Range <i>For Application</i> <i>For Service</i>		°C °C	18 to 50 -10 to 60	
Recommended Holiday Test Voltage Single Layer Double Layer				10kV 15kV

RECOMMENDED PRIMER	Denso Primer D
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RECOMMENDED SURFACE PREPARATION	Blast clean to Sa2/2½ or hand tool clean to St3
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Important

Winn & Coales (Denso) Ltd pursue a policy to develop and continually improve all of our products and therefore the information given in this data sheet is intended as a general guide and does not constitute a warranty of specification. However, our sales personnel are committed to assist the user in establishing the suitability of the product for its intended purpose and additional specific information is available on request.

Winn & Coales (Denso) Ltd operate a Quality Management System registered to BS EN ISO 9001 (Certificate No. FM01548).

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