



TECHNICAL DATA SHEET VISCOWRAP HT

Manufacturer

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Product Description

Amorphous a-polar viscous elastic semi solid polyolefin coating in roll form. Material not in fluid phase. Two layer system with corrosion protective inner wrap and protective mechanical outer wrap. Cohesive fracture when peeled off. Material with yield point and no dripping behavior at +100 °C/ 160 °F. Adhesion to surface without primer. Melting point at 150 °C, 302°F. Materials must be applied at above 30 °C/86 °F and be exposed to this temperature for minimum 1 week.

Measurement	Value	Method
Glass transition temperature	-35 °C/-31°F	DSC, ASTM E1356-08
Material state	Solid	NA
Melting point	>+150 °C/302 °F	DSC, ASTM E1356-08
Yield point	Yes	NA
Dripping behavior (+100 °C)	No visual dripping (1000 hrs)	NA
Water vapor permeability	<0.0050 g/m ² /24mmHg	ASTM D1653-03
Water absorption	<0.3%	ASTM D570-98
Water penetration	<0.14%, 1800 hrs,6V, 3% NaCl	ASTM G9-87
Dissipation Factor	0.135, 1500 hrs, 20 KHZ	ASTM G9-98
Pore Resistance	> 10 ⁹ , 1500 hrs, RI/RO 1-1.4	ASTM G1, G3, G5, G10, G19
Hardness	36 Shore A	ASTM D2240-04
Impact Strength	>15 J (self healing)	EN 12068
Impact Strength	13.6 J (system intact)	CSA Z245.20-12.12
Peel resistance 20°C/68 °F	3 mm/min	CSA Z245.21-06, 300 g
Peel resistance 5 °C/68 °F	0 mm/min	CSA Z245.21-06, 300 g
UV/Weathering cycle test	Excellent	1000 hrs, ASTM D4587-05 -30 °C to + 70 °C -22 °F to + 158 °F
Wet adhesion test	Class 1 rating, cohesive fracture	CSA Z245-20-06 Sec 12.14
Cathodic Disbondment	< 3 mm, 30 days	ASTM G8, 23 °C/74 °F
Temperature range	-35 °C to +100 °C/-43 °F to +212 °F	NA
Flexibility	No cracking	CAN Z45.20,12.11
Thickness	70 mil-100 mil(total system)/2-3 mm	NACE SP 0188
Shear test	0.0009 mm/min top 0 mm bottom 24 hours, 50 hrs: 0 mm	Modified Alyaska Shear, 18.6 kg load, 6.8 kg force

Reports

Testing has been done by different test institutes. Copies of reports are available upon requests.