



TECHNICAL DATA SHEET VISCOWRAP ST

Manufacturer

Amcorr Products & Services
 8000 IH 10 West #600
 San Antonio TX 78230
 UNITED STATES OF AMERICA
 Toll free: (1) 877 586 3710/ Phone: (1) 210 524 7737
 Fax: (1) 210 524 7732
info@amcorrusa.com

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 has a yield point and shows no dripping behavior at +71 °C/ 160 °F. Adhesion to surface without primer. Melting point at 120 °C, 248 °F.

Measurement

Glass transition temperature
 Material state
 Melting point
 Yield point
 Dripping behavior (+71 °C)
 Water vapor permeability
 Water absorption
 Water penetration
 Dissipation Factor
 Pore Resistance
 Hardness
 Impact Strength
 Impact Strength
 Peel resistance 20°C/68 °F
 Peel resistance 5 °C/68 °F
 UV/Weathering cycle test

Value

-42 °C/-43°F
 Solid
 +120 °C/248 °F
 Yes
 No visual dripping (1000 hrs) NA
 <0.0050 g/m²/24mmHg
 <0.3%
 <0.14%, 1800 hrs,6V, 3% NaCl
 0.135, 1500 hrs, 20 KHZ
 > 10⁹, 1500 hrs, RI/RO 1-1.4
 36 Shore A
 >15 J (self healing)
 13.6 J (system intact)
 3 mm/min
 0 mm/min
 Excellent

Method

DSC, ASTM E1356-08
 NA
 DSC, ASTM E1356-08
 NA
 ASTM D1653-03
 ASTM D570-98
 ASTM G9-87
 ASTM G9-98
 ASTM G1, G3, G5, G10, G19
 ASTM D2240-04
 EN 12068
 CSA Z245.20-12.12
 CSA Z245.21-06, 300 g
 CSA Z245.21-06, 300 g
 1000 hrs, ASTM D4587-05
 -30 °C to + 70 °C
 -22 °F to + 158 °F
 CSA Z245-20-06 Sec 12.14
 ASTM G8, 23 °C/74 °F
 NA
 CAN Z45.20,12.11
 NACE SP 0188
 Modified Alyaska Shear, 18.6 kg load, 6.8 kg force

Wet adhesion test

Cathodic Disbondment

Temperature range

Flexibility

Thickness

Shear test

Class 1 rating, cohesive fracture

< 3 mm, 30 days

-42 °C to +70 °C/-43 °F to +158 °F

No cracking

70 mil-100 mil(total system)/2-3 mm

0.0009 mm/min top 0 mm bottom

24 hours, 50 hrs: 0 mm

Reports

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