TECHNICAL DATA SHEET

MaxPox® VE

Vinyl Ester Resin

DESCRIPTION

MaxPox® VE is a corrosion resistant, epoxy vinyl ester resin for use in the manufacture of liner pipe using cured-in-place techniques. This resin is designed for ambient cure. The corrosion resistance of this resin is comparable to CORVE8100. Data on any specific testing or corrosion recommendations will be supplied upon request.

FEATURES

- Moderate Composite Exotherm
- Good Fiberglass Wet-Out
- Tested Under ASTM D2990 for Flexural Modulus Creep

BENEFITS

- Resistant to distortion during cure cycle
- High composites physical properties
- Retains structural integrity under load in severe conditions

LIQUID PROPERTIES	RESULTS
Viscosity, Brookfield Model LV, #3 Spindle @ 60 rpm, 77°F | 25°C, cPs	400 – 600
*100 grams of resin at 77°F | 25°C, initiated with 4.0% Perkadox CH-50 by weight** Gel Time, min:sec Gel to Peak Exotherm, min:sec Peak Exotherm	 20:00 – 25:00 5:00 ~ 10:00 320 – 400°F | 160 – 204°C
Non-Volatile Content, %	54.0 – 60.0
Weight per Gallon, lbs.	8.60 – 9.00

MAXLINER®

TYPICAL PROPERTIES				
THICKNESS	**1/8 INCH | 3.2MM CASTING**		**1/4 INCH | 6.4MM LAMINATE**	
CONSTRUCTION	**NOT APPLICABLE**		**CIPP FELT LAMINATE**	
Flexural Strength, ASTM D790	19,000 psi	131 MPa	1,000 psi	76 MPa
Flexural Modulus, ASTM D790	4.7 X 105 psi	3,241 MPa	5.1 X 105 psi	3,S00 MPa
Tensile Strength, ASTM D638	12,000 psi	83 MPa	6,800 psi	47 MPa
Tensile Modulus, ASTM D638	4.7 x lOS psi	3,241 MPa	5.3 x lOS psi	3,700 MPa
Tensile Elongation, ASTM D638	4.5%	4.5%	2.0%	2.0%
BarcolH ardness9, 34-1 gauge, ASTM D2583	36	36	N/A	N/A
Heat Distortion Ternperature, ASTM IJ648	210°F	98°C	197°F	92°C

* Gel time and reactivity will vary due to the type and concentration of Free Radical Initiator (catalyst), shop temperature, humidity, and type of fillers used. In order to meet your individual needs consult our technical sales representative for assistance.

TECHNICAL SUPPORT

Call technical support with additional questions at (877) 426-5948.

DISCLAIMER

The information contained herein is offered without charge for use by technically qualified personnel at their discretion and risk. All statements, technical information and recommendations contained herein are based on tests and data which we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and no warranty of any kind is made with respect thereto. Exact coating type and thickness depend on the specific types of resin being used. Always read, understand, and comply with hazard warnings described in the products' Safety Data Sheet(s) before use.