



INTERPLASTIC CORPORATION  
Thermoset Resins Division

# CORVE8295

## Thixotropic Vinyl Ester Resin

### Technical Data Sheet

CORVE8295 is a property enhanced, promoted, thixotropic, corrosion resistant, epoxy vinyl ester resin for use in the manufacture of liner pipe using cured-in-place techniques. This resin contains no Hazardous Air Pollutants (HAP's).

FEATURES	BENEFITS
• Contains No HAP's	• Useful in applications requiring no styrene
• Handling Characteristics of Standard Vinyl Ester	• No special initiators or procedures needed
• Good Fiberglass Wet-Out	• High composites physical properties
• Contains Low-Volatility Materials	• Minimal odor

LIQUID PROPERTIES	RESULTS
Viscosity, Brookfield Model RV #4 Spindle @ 20 rpm, 77°F (25°C), cps	3,700-4,400
Thixotropic Index	3.15-4.00
Gel Time run in a 140°F (60°C) water bath, initiated with 0.75% of Perkadox 16 and 0.38% of Trigonox C by weight* Gel Time, 130°F to 150°F (54-66°C), min:sec Gel to Peak, 150°F (66°C) to Peak Exotherm Time, min:sec Peak Exotherm	12:00-17:00 1:30-5:00 200-260°F (93-127°C)
Room Temperature Catalyzed Stability, hours	>20
Specific Gravity	1.29-1.35

TYPICAL PROPERTIES					
Thickness	1/8 inch (3.2 mm) Casting		1/4 inch (6.4 mm) Laminate		
Construction	Prepared on Resin Only		CIPP Felt Laminate		
Flexural Strength, ASTM D790	11,889 psi	82 MPa	8,769 psi	60 MPa	
Flexural Modulus, ASTM D790	706,500 psi	4,872 MPa	671,200 psi	4,629 MPa	
Tensile Strength, ASTM D638	8,005 psi	55 MPa	3,751 psi	26 MPa	
Tensile Modulus, ASTM D638	843,180 psi	5,815 MPa	724,230 psi	4,995 MPa	
Tensile Elongation, ASTM D638	1.33 %	1.33 %	2.16 %	2.16 %	
Barcol Hardness, 934-1 gauge, ASTM D2583	45	45	40	40	
Heat Distortion Temperature, ASTM D648	288 °F	142 °C	--	--	
Glass Transition Temperature, CRSTP #92	345 °F	174 °C	--	--	
Specific Gravity @ 73°F (23°C), ASTM D792-00	1.4215	1.4215	--	--	
Water Absorption	0.1101 %	0.1101 %	--	--	

\* The gel time and reactivity will vary due to the type and concentration of Free Radical Initiator (catalyst), resin and ambient temperature, and curing conditions. In order to meet your individual needs consult our technical sales representative for assistance.

All specifications and properties specified above are approximate. Specifications and properties of material delivered may vary slightly from those given above. Interplastic Corporation makes no representations of fact regarding the material except those specified above. No person has any authority to bind Interplastic Corporation to any representation except those specified above. Final determination of the suitability of the material for the use contemplated is the sole responsibility of the Buyer. The Thermoset Resins Division's technical sales representatives will assist in developing procedures to fit individual requirements.

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