



INTERPLASTIC CORPORATION
Thermoset Resins Division

SIL65AA-895RPW

Orthophthalic Laminating Resin

Technical Data Sheet

SIL65AA-895RPW is an unsaturated polyester laminating resin used in the manufacture of fiberglass-reinforced products.

SIL65AA-895RPW is tinted with a blue indicator for color change with addition of initiator.

FEATURES	BENEFITS
• Excellent Wetting of Glass Fibers	• High strength properties in laminates
• Moderate Gel Time	• Enables good line speeds
• Low Laminate Exotherm	• Even cure throughout laminate
• Moderate Hardness Development	• Good cycle times and dimensional stability

RELATED PRODUCTS	GEL TIME
SIL65AA-895RP	28-32 Minutes

LIQUID PROPERTIES	RESULTS
Viscosity, Brookfield Model RV #2 Spindle @ 20 rpm, 77°F (25°C), cps	400-600
Thixotropic Index	2.75-3.5
100 grams resin @ 77°F (25°C), initiated with 1.0% MEKP-9 by weight * Gel Time, min:sec Gel to Peak Exotherm Time, min:sec Peak Exotherm	18:00-22:00 9:00-17:00 285-325°F (141-163°C)
Non-Volatile Content, %	55.5-58.5
Specific Gravity	1.02-1.14

TYPICAL PROPERTIES				
Thickness	1/8 inch (3.2 mm) Casting		1/8 inch (3.2 mm) Laminate	
Construction	Not Applicable		4 Plies 1.5 oz/ft ² , 33% Glass Mat	
Flexural Strength, ASTM D790	16,200 psi	112 MPa	27,700 psi	191 MPa
Flexural Modulus, ASTM D790	5.79 x 10 ⁵ psi	3,990 MPa	12.3 x 10 ⁵ psi	8,510 MPa
Tensile Strength, ASTM D638	9,500 psi	66 MPa	17,800 psi	123 MPa
Tensile Modulus, ASTM D638	5.90 x 10 ⁵ psi	4,070 MPa	13.1 x 10 ⁵ psi	9,007 MPa
Tensile Elongation, ASTM D638	1.8 %	1.8 %	1.8 %	1.8 %
Barcol Hardness, 934-1 gauge, ASTM D2583	42-46	42-46	48-52	48-52
Heat Distortion Temperature, ASTM D648	151 °F	66 °C	-- °F	-- °C

* The 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.

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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