

Fibras y Resinas

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Tú conexión hispana para fibras y resina

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TECHNICAL DATA SHEET 404 TOOLING ISOPHTHALIC RESIN

FEATURE: BENEFIT

Moderate laminate exotherm:	Even cure throughout laminate
Fast hardness development:	Good cycle times and dimensional stability
Corrosion resistant:	Works in a variety of environments
Good fiberglass wet-out:	Easy roll-out and high laminate physical properties
Excellent physical strengths:	Composites resist fatigue

RELATED PRODUCTS:			
COR75-AQ-010W	Gel Time = 9-12 Minutes	COR75-AQ-010	Gel Time = 15-20 Minutes
LIQUID PROPERTIES			
Viscosity, Brookfield Model LV #3 Spindle @ 60 rpm, 77°F (25°C), cps		400-550	
Thixotropic Index		2.2-3.0	
100 grams resin @ 77°F (25°C), catalyzed with 1.0% DDM-9 by volume *			
Gel Time, min:sec		24:00-28:00	
Gel to Peak Exotherm Time, min:sec		12:00-18:00	
Peak Exotherm		290-355°F (143-179°C)	
Non-Volatile Content, %		50.5-55.5	
Specific Gravity		1.05-1.08	
TYPICAL PROPERTIES:	Thickness Construction	1/8 inch (3.2 mm) Casting Not applicable	1/8 inch (3.2 mm) Laminate 4 plies, 1.5 oz/ft², 33% glass mat
Flexural Strength, ASTM D790		21,650 psi 149 MPa	25,000 psi 172 MPa
Flexural Modulus, ASTM D790		5.4 x 10 ⁵ psi 3,724 MPa	11.5 x 10 ⁵ psi 7,931 MPa
Tensile Strength, ASTM D638		11,000 psi 76 MPa	16,000 psi 110 MPa
Tensile Modulus, ASTM D638		5.6 x 10 ⁵ psi 3,586 MPa	11.7 x 10 ⁵ psi 8,069 MPa
Tensile Elongation, ASTM D638		2.4 % 2.4 %	2.0 % 2.0 %
Barcol Hardness, 934-1 gauge, ASTM D2583		42 42	45 45
Heat Distortion Temperature, ASTM D648		214 °F 101 °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.			

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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.