

Fibre Glast 1110 CC Vinyl Ester Resin (Casting Properties) (discontinued **)

Category : Polymer , Thermoset , Vinyl Ester , Vinyl Ester Sheet Molding Compound

Material Notes:

#1110 is a low viscosity, corrosion resistant vinyl ester resin. It is formulated for maximum corrosion resistance to most fuels, vapors, and both acidic and basic chemicals. It is also heat resistant and blended for toughness. The raw materials used in the manufacture of this resin are listed as acceptable in FDA regulatory Title 21 CFR 177.2420 for repeated use in contact with food subject to compliance with the prescribed limitation of that regulation. Performance: Excellent corrosion resistance, Excellent impact strength, High tensile elongation. FDA application Properties listed typical cured casting, catalyzed with 1% BPO, cured two hours at 160°F then one hour at 200°F, post cured two hours at 280°F. See also: "Vinyl Ester Resin (Laminate Properties)" for information on that application. Can be used for hand lay-up and spray-up, filament winding, flake glass and filled lining and coating compounds. Perfect for repairing tank linings, blistering boat hulls, and fabricating tough all-around parts. Information provided by Fibre Glast Developments Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Fibre-Glast-1110-CC-Vinyl-Ester-Resin-Casting-Properties-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	Liquid Property
Solids Content	52 %	52 %	Liquid Property
Viscosity	275 cP	275 cP	Liquid Property

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	35	35	ASTM D2538
Tensile Strength at Break	827 MPa	120000 psi	ASTM D638
Elongation at Break	7.9 %	7.9 %	ASTM D638
Elongation at Yield	4.6 %	4.6 %	ASTM D638
Tensile Modulus	3.72 GPa	540 ksi	ASTM D638
Flexural Strength	131 MPa	19000 psi	ASTM D790
Flexural Modulus	3.45 GPa	500 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	98.0 °C	208 °F	Deflection Temp; Load not specified; ASTM D648
Flash Point	22.8 - 37.8 °C	73.0 - 100 °F	Liquid Property

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