

Fibre Glast 1110 L Vinyl Ester Resin (Laminate Properties)

Category : Polymer , Thermoset , Filled/Reinforced 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 of 0.125" Laminate thickness, 25% glass, 1 veil, 2 mats. See also: "Vinyl Ester Resin (Casting 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-L-Vinyl-Ester-Resin-Laminate-Properties.php

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

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	91.7 MPa	13300 psi	
Tensile Modulus	6.83 GPa	990 ksi	
Flexural Strength	140 MPa	20300 psi	
Flexural Modulus	5.24 GPa	760 ksi	

Thermal Properties	Metric	English	Comments
Flash Point	22.8 - 37.8 Â°C	73.0 - 100 Â°F	Liquid Property

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