

Fibre Glast Epolite 2427 Epoxy (discontinued **)

Category : Polymer , Thermoset , Epoxy , Epoxy, Molded, Glass Fiber Filler

Material Notes:

Information provided by Fibre Glast Developments Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Fibre-Glast-Epolite-2427-Epoxy-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	
Viscosity	700 cP	700 cP	ASTM D2293

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	86	86	Cured; ASTM D2240
Tensile Strength at Break	221.2 MPa	32080 psi	Property derived with 10 Ply Laminate, hand Lay-up, Style 181 Glass Fabric, 55% Glass Content.; ASTM D638
Elongation at Break	1.62 %	1.62 %	Property derived with 10 Ply Laminate, hand Lay-up, Style 181 Glass Fabric, 55% Glass Content.; ASTM D638
Tensile Modulus	13.8 GPa	2000 ksi	Property derived with 10 Ply Laminate, hand Lay-up, Style 181 Glass Fabric, 55% Glass Content.
Flexural Strength	209.61 MPa	30401 psi	Property derived with 10 Ply Laminate, hand Lay-up, Style 181 Glass Fabric, 55% Glass Content.; ASTM D790
Flexural Modulus	14.7 GPa	2130 ksi	Property derived with 10 Ply Laminate, hand Lay-up, Style 181 Glass Fabric, 55% Glass Content.; ASTM D790

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	60.0 °C	140 °F	

Processing Properties	Metric	English	Comments
Pot Life	120 min @Temperature 25.0 °C	120 min @Temperature 77.0 °F	4 fl. Oz.; ASTM D2471

Descriptive Properties	Value	Comments
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Mix Ratio Descriptive Properties	100:44 Value	Resin:Hardener by Weight Comments
	2.13:1	Resin:Hardener by Volume

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