

Fibre Glast 1099 Room Temperature Epoxy Surface Coat

Category : Polymer , Thermoset , Epoxy , Epoxy, Cast, Unreinforced

Material Notes:

Safety hardener with fast overnight cure. Low viscosity thins the resin well for best detail reproduction. Can be sanded in 16-18 hours.

#1099 is a white, medium viscosity epoxy surface coat that can be used with several hardeners for a range of cured and handling characteristics. #1099 is a versatile material, and will perform well in a variety of room temperature applications. #1099 produces excellent reproduction of very fine detailed surfaces. it is often chosen for broad, flat tooling surfaces, where it can be applied fast. #1099 has been formulated to provide good bonds to subsequently applied layers of epoxy. This feature provides good intercoat bonds, even if the previous layer of #1099 has cured completely hard. This elimination of surface coat adhesion failures is accomplished with no sacrifice in properties. #1099 is an excellent material for all types of general tooling uses. Information provided by Fibre Glast Developments Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Fibre-Glast-1099-Room-Temperature-Epoxy-Surface-Coat.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90	90	ASTM D2240
Tensile Strength at Break	37.9 MPa	5500 psi	ASTM D638
Flexural Strength	40.7 MPa	5900 psi	ASTM D790
Compressive Yield Strength	82.7 MPa	12000 psi	ASTM D695

Processing Properties	Metric	English	Comments
Cure Time	1080 - 1440 min	18.0 - 24.0 hour	
	@Temperature 25.0 Â°C	@Temperature 77.0 Â°F	
Pot Life	20 - 25 min	20 - 25 min	

Descriptive Properties	Value	Comments
Color	Light Oxide Red	
Mix Ratio	100:11	Resin:Hardener by Weight

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