



Technical Data Sheet

BioPoxy 36

Description:

EcoPoxy BioPoxy 36 is a fast curing epoxy resin system designed for fiber reinforced composite applications. The resin is partially based on renewable plant based raw materials.

Properties

Liquid Resin Properties			
	Resin	Hardener	Test Method
Appearance:	Viscous Liquid	Clear, slightly viscous liquid.	
Viscosity at 25°C	800-1100 cP	100-200 cP	Brookfield ASTM D2196
Specific Gravity	1.1	1.0	Calculated
Bio Content	36%		Calculated
Mix Ratio:	4:1 by Volume		
Resin Curing			
Gel-Time (100 gr. mass):	20-25 minutes @ 25°C		
Full Cure	72 Hours at 25°C		

This material is for professional use only, using adequate ventilation and protection from eye and skin exposure. Any information supplied with this material is given on good faith but should be verified by the end user, as is the suitability for their application. The warranty of this materials shall be limited to the replacement of defective materials.



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Cured Resin Properties		
Hardness Shore D	70 Minimum	ASTM D2240
Tensile Strength (MPa)	57.9	ASTM D638
Tensile Modulus (GPa)	2.83	ASTM D638
Elongation @ maximum stress %	2.82	ASTM D638
Elongation @ Break %	2.86	ASTM D638
Flexural Strength (MPa)	97.1	ASTM D790
Flexural Modulus (GPa)	2.94	ASTM D790
Notched Impact Resistance (J/m)	51.7	ASTM D256
Glass Transition Temperature (Tg)	54.1	ASTM E1356

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