

BCC Products BC 5114 Epoxy Laminating System

Category : Polymer , Thermoset , Epoxy

Material Notes:

BC 5114 is a gray low viscosity laminating system. This heat resistant resin exhibits excellent wet out, reasonable working time and may be used at room temperature without post-curing. For use above 150°F a post-cure is required. BC 5114 can afford consistent use to 300°F if required. Does not contain VCHD or MDA. Same uses as with BC 5105. Information provided by BCC Products, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BCC-Products-BC-5114-Epoxy-Laminating-System.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.31 g/cc	1.31 g/cc	
Brookfield Viscosity	3600 cP @Temperature 23.9 °C	3600 cP @Temperature 75.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90 @Temperature 23.9 °C	90 @Temperature 75.0 °F	
Tensile Strength, Ultimate	179 MPa	26000 psi	10 oz glass cloth laminate
Flexural Strength	228 MPa	33000 psi	10 oz glass cloth laminate
Compressive Strength	364 MPa	52800 psi	10 oz glass cloth laminate

Thermal Properties	Metric	English	Comments
CTE, linear	22.9 µm/m-°C	12.7 µin/in-°F	
Deflection Temperature at 1.8 MPa (264 psi)	146 °C	295 °F	

Processing Properties	Metric	English	Comments
Cure Time	1440 min @Temperature 24.0 °C	24.0 hour @Temperature 75.2 °F	
Pot Life	60 min @Temperature 24.0 °C	60 min @Temperature 75.2 °F	1 lb. mass

Descriptive Properties	Value	Comments
Mix Ratio	100:13 by weight, 100:18 by volume, resin/harder	

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