

BCC Resins EB6200

Epoxy; Epoxide

BCC Products Inc.

Message:

BCC Products EB6200 is a "grain-free" elevated temperature epoxy modeling material known for its superior surface finish, dimensional stability and the ability to maintain tolerances even after being subjected to temperature variations. EB6200 has excellent dimensional stability results from the low coefficient of thermal expansion and high glass transition temperature.

Applications

Master Models (Aerospace); Automotive Die Models; Vacuum Forming at Elevated Temperatures; Lay-Up Tools for Medium and High Temperature Curing Prepreg

General Information			
Features	Good Dimensional Stability		
	Good Surface Finish		
	High Heat Resistance		
	Machinable		
Uses	Aerospace Applications		
	Automotive Applications		
	Modeling Material		
	Molds/Dies/Tools		
Appearance	Brown		
Forms	Liquid		
Processing Method	Machining		
	Vacuum Forming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.758	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 24°C)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	30.3	MPa	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	35.5	MPa	ASTM D790
Compressive Modulus	2360	MPa	ASTM D695
Compressive Strength	33.1	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	30	J/m	ASTM D256
Unnotched Izod Impact	56	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	149	°C	ASTM D648
Glass Transition Temperature	> 163	°C	ASTM D3418
CLTE - Flow	3.8E-5	cm/cm/°C	TMA

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