

BCC Resins BC 5010

Epoxy; Epoxide

BCC Products Inc.

Message:

BC 5010 is a high quality, low viscosity room temperature curing laminating resin. A Safety System for the production of a variety if dimensionally stable fiberglass tools. BC 5010 features low odor and rapid "wet-out" with no vertical drain off. An excellent general purpose laminating resin to meet the tooling requirements for automotive, aircraft, and foundry.

General Information			
Features	Good Dimensional Stability		
	Low to No Odor		
	Low Viscosity		
Uses	Laminates		
Appearance	White		
Forms	Liquid		
Processing Method	Laminating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Ultimate)	173	MPa	ASTM D638
Flexural Modulus	13000	MPa	ASTM D790
Flexural Strength (Break)	210	MPa	ASTM D790
Compressive Strength	266	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	87.8	°C	ASTM D648
CLTE - Flow	2.3E-5	cm/cm/°C	ASTM D696
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 1.0, Mix Ratio by Volume: 1.0		
Resin	Mix Ratio by Weight: 6.0, Mix Ratio by Volume: 4.5		
Pot Life (25°C)	25 to 30	min	
Thermoset Mix Viscosity	3200	cP	ASTM D2393
Demold Time (24°C)	720 to 960	min	
Post Cure Time (25°C)	8.0 to 12	hr	

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