

BCC Resins BC 7053

Epoxy; Epoxide

BCC Products Inc.

Message:

BC 7053 is an iron filled epoxy casting system. This system is a high iron content material that provides unsurpassed wear resistance. BC7053 was designed for use in constructing core boxes, holding and trimming fixtures, foundry patterns, etc.

General Information			
Filler / Reinforcement	Iron		
Features	Good Wear Resistance		
	Machinable		
Uses	Construction Applications		
	Containers		
	Patterns		
Appearance	Black		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.82	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.020	%	ASTM D2566
Weight	45	g	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 24°C)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	49.6	MPa	ASTM D638
Flexural Strength (Break)	62.1	MPa	ASTM D790
Compressive Strength	106	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	52.8	°C	ASTM D648
CLTE - Flow	5.8E-5	cm/cm/°C	ASTM D696
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 5.0, Mix Ratio by Volume: 6.5		
Resin	Mix Ratio by Weight: 100, Mix Ratio by Volume: 100		
Pot Life ¹ (24°C)	50 to 60	min	
Thermoset Mix Viscosity ² (24°C)	10000	cP	ASTM D2393
Post Cure Time (24°C)	170	hr	
NOTE			
1.	1 lb mass		

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