

BCC Resins BC 8650

Polyurethane

BCC Products Inc.

Message:

BC 8650 is an advanced fast cast polyurethane tooling system. BC 8650 features low viscosity, low exotherm and minimal shrinkage. Kwik Kast Blue cures hard, yet more durable resulting in less brittle parts. Designed for constructing patterns, prototypes, duplications, negatives, low temperature vacuum form tools, tracing models, etc.

General Information			
Features	Durable		
	Low Shrinkage		
	Low Viscosity		
Uses	Modeling Material		
	Molds/Dies/Tools		
	Patterns		
Appearance	Blue		
Forms	Liquid		
Processing Method	Casting		
	Vacuum Forming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
-- ¹	1.90	g/cm ³	ASTM D792
--	1.91	g/cm ³	ASTM D1505
Specific Volume	0.527	cm ³ /g	
Work Life ² (24°C)	5.0 to 6.0	min	
Molding Shrinkage - Flow	0.080	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 24°C)	81 to 85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	28.4	MPa	ASTM D638
Flexural Strength	43.1	MPa	ASTM D790
Compressive Strength	63.4	MPa	ASTM D695
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 1.0		
Resin	Mix Ratio by Weight: 1.0		
Thermoset Mix Viscosity ³ (24°C)	2360	cP	ASTM D2393
Demold Time (24°C)	60 to 120	min	

NOTE	
1.	Cured
2.	1 lb mass
3.	Brooksfeld, #2 spindle @ 20 rpm, 1 min

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Recommended distributors for this material

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