

# BCC Resins BC 8010-2

Polyurethane

BCC Products Inc.

## Message:

BC8010-2 Metal-Kast/Slo, the result of extensive research and development is an aluminum filled, metal-like, medium setting urethane reproduction plastic. A slower version of the BC8010 Metal-Kast which allows the user longer working time for pouring larger castings or for filling closed mold cavities. BC8010-2 is ideal for the construction of low temperature vacuum form tools, prototypes, models, display parts, patterns, keller aids and bulk back fill.

General Information			
Filler / Reinforcement	Aluminum		
Uses	Modeling Material		
	Molds/Dies/Tools		
	Patterns		
	Prototyping		
Appearance	Aluminum		
Forms	Liquid		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
-- <sup>1</sup>	1.60	g/cm <sup>3</sup>	ASTM D792
--	1.61	g/cm <sup>3</sup>	ASTM D1505
Specific Volume	0.625	cm <sup>3</sup> /g	
Work Life <sup>2</sup> (24°C)	12.0	min	
Molding Shrinkage - Flow	0.080	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 24°C)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Compressive Strength	67.2	MPa	ASTM D695
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: 1.0, Mix Ratio by Volume: 1.0		
Thermoset Mix Viscosity <sup>3</sup> (24°C)	3250	cP	ASTM D2393
Demold Time (24°C)	360	min	
Post Cure Time (24°C)	16 to 24	hr	
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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