BCC Resins MB4000

Polyurethane

BCC Products Inc.

Message:

BCC Products now offers a revolutionary state-of-the-art machineable foundry plank for today's demanding tooling requirements. MB4000 Red is an extremely tough, high impact Urethane Plank, that can replace aluminum and other metals for many foundry applications.

General Information			
Features	Good Surface Finish		
	Good Toughness		
	Good Wear Resistance		
	High Gloss		
	High Impact Resistance		
	Low Shrinkage		
	Machinable		
Uses	Metal Replacement		
	Modeling Material		
	Molds/Dies/Tools		
	Patterns		
	Prototyping		
Appearance	Red		
Forms	Liquid		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm³	ASTM D792

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	86		ASTM D2240

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Ultimate)	75.1	MPa	ASTM D638
Tensile Elongation (Break)	15	%	ASTM D638
Flexural Modulus	2950	MPa	ASTM D790
Flexural Strength	120	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	45	J/m	ASTM D256
Unnotched Izod Impact	1200	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	101	°C	ASTM D648
Glass Transition Temperature	116	°C	ASTM D4065
CLTE - Flow (-30 to 30°C)	6.4E-5	cm/cm/°C	ASTM D3386

Recommended distributors for this material

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