

BCC Resins BC 8640E

Polyurethane Thermoset Elastomer

BCC Products Inc.

Message:

BC8640E is an easy to use polyurethane elastomer that is suitable for many applications. Special product characteristics include: room temperature mixing and curing, excellent hydrolytic stability, produces durable products that are easily produced, does not contain MOCA, MDA or MDI.

BC8640E uses include:

- molds for plaster and concrete
- molds for epoxy, polyurethane and polyester castings or laminates
- fabricating parts such as protective shipping pads or skins for creatures

General Information			
Features	Durable		
	Hydrolytically Stable		
Uses	General Purpose		
	Molds/Dies/Tools		
Appearance	Amber		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.050	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	38 to 42		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	3.38	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	35.0	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Part A	Mix Ratio by Weight: 90		
Part B	Mix Ratio by Weight: 100		
Thermoset Mix Viscosity (25°C)	850	cP	ASTM D2393
Demold Time (23°C)	720 to 960	min	
Post Cure Time	24	hr	
Gel Time ¹	45.0	min	
Work Life (25°C)	30.0	min	
NOTE			
1.	180 gram mass		

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