

# BCC Resins BC 8690E

Polyurethane Thermoset Elastomer

BCC Products Inc.

## Message:

BC 8690E is a two-component urethane elastomer compound specifically designed for casting applications. This product is safe, easy-to-handle, room temperature mixing and curing system that contains no TDI, MDA or MOCA. BC 8690E is insensitive to moisture during storage and normal handling; hence, this system will make dependably good void-free parts without the foaming problems that some conventional urethane systems exhibit. The low shrinkage, low viscosity, superior toughness, and excellent detail reproduction of BC 8690E makes this system ideal for general purpose castings and quality tooling operations.

General Information			
Features	Good Toughness		
	Low Shrinkage		
	Low Viscosity		
	Moisture Resistant		
Uses	Tooling		
Appearance	Amber		
Forms	Liquid		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.25	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	87		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	18.6	MPa	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	68.3	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 50		
Resin	Mix Ratio by Weight: 100		
Pot Life (24°C)	10 to 12	min	
Thermoset Mix Viscosity (25°C)	2500	cP	ASTM D2393
Demold Time (25°C)	480 to 840	min	

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