

# BCC Resins BC 8675E

Polyurethane Thermoset Elastomer

BCC Products Inc.

## Message:

BC 8675E is a multi-purpose elastomer that can perform many functions. Typical product features are: easy to use, cures at room temperature, resists moisture absorption, excellent in use for molds for casting of concrete and plaster, does not contain MOCA, MDA, TDI or MDI. Product uses include: mold fabrication, shock absorbent pads and liners, excellent as an adhesive for high strength and resilient bonds, electrical potting and cable sealing applications, various types of urethane rubber parts.

General Information			
Features	Good Adhesion		
	Good Strength		
	Low Moisture Absorption		
	Resilient		
	Shock Absorbent		
Uses	Adhesives		
	Cable Jacketing		
	Liners		
	Molds/Dies/Tools		
Appearance	Amber		
Forms	Liquid		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.15	%	ASTM D955
Water Absorption <sup>1</sup> (Saturation)	2.8	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	73 to 77		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	15.9	MPa	ASTM D412
Tensile Elongation (Break)	650	%	ASTM D412
Tear Strength <sup>2</sup>	33.3	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Part A	Mix Ratio by Weight: 100		
Part B	Mix Ratio by Weight: 45		
Thermoset Mix Viscosity	3000	cP	ASTM D2393
Demold Time (24°C)	480 to 840	min	
Post Cure Time			

23°C	72 to 120	hr
66°C	4.0 to 6.0	hr
Gel Time <sup>3</sup>	40.0	min
Work Life (25°C)	25.0	min

#### NOTE

- |    |             |
|----|-------------|
| 1. | 2 weeks     |
| 2. | Die C       |
| 3. | 180 gm mass |

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#### Recommended distributors for this material

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