

BCC Resins BC 8635E

Polyurethane Thermoset Elastomer

BCC Products Inc.

Message:

BC 8635E is a multi-purpose elastomer that can perform many functions. Typical product uses and features are: mold fabrication, skin membrane for animated characters, bumpers and many types of urethane rubber parts, excellent as an adhesive for resilient and flexible bonds, excellent weathering properties for outdoor applications, highly water resistant-insensitive to moisture during cure.

General Information			
Features	Good Flexibility Good Weather Resistance		
Uses	Adhesives Molds/Dies/Tools		
Appearance	Amber		
Forms	Liquid		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.998	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	37		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2.41	MPa	ASTM D638
Tensile Elongation (Break)	750	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	13.1	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 100		
Resin	Mix Ratio by Weight: 100		
Pot Life (25°C)	45	min	
Thermoset Mix Viscosity	3200	cP	ASTM D2393
Demold Time (25°C)	960 to 1400	min	

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