

# BCC Resins BC 8740E

Polyurethane Thermoset Elastomer

BCC Products Inc.

Message:

BC 8740E is a two-component urethane casting compound that is specifically formulated for high abrasion and impact resistance. It is recommended for use for the production casting of highly wear-resistant parts and linings. This product is safe, easy-to-handle, room temperature mixing and curing system that does not contain TDI, MDI, MDA, or MOCA. BC 8740E is relatively insensitive to typical environmental moisture and will make good void-free parts without the problems that some conventional urethane systems exhibit. The low viscosity and simple mix ratio assure uniform and easy mixing. Because of this product's exceptional toughness and abrasion resistance, castings made with BC 8740E A/B are particularly suitable for mining and mineral process industries.

General Information			
Features	Good Abrasion Resistance		
	Good Toughness		
	Good Wear Resistance		
	High Impact Resistance		
	Low Viscosity		
	Moisture Resistant		
Appearance	Amber		
Forms	Liquid		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.30	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	40		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	15.2	MPa	ASTM D638
Tensile Elongation (Break)	550	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	35.0	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 25		
Resin	Mix Ratio by Weight: 100		
Pot Life (24°C)	20	min	
Thermoset Mix Viscosity	4000	cP	ASTM D2393
Demold Time (25°C)	240 to 360	min	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT