

## BCC Products BC 8690E Polyurethane Elastomer

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane, Elastomer, Unreinforced , Rubber or Thermoset Elastomer (TSE)

### Material Notes:

BC 8690E is a two-component urethane elastomer compound specifically designed for casting applications. This product is a 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. Uses: mold Fabrication, shock absorbent pads & liners, adhesive for high strength and resilient bonds, and many types of urethane rubber parts. Information provided by BCC Products, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BCC-Products-BC-8690E-Polyurethane-Elastomer.php](http://www.lookpolymers.com/polymer_BCC-Products-BC-8690E-Polyurethane-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	
Brookfield Viscosity	2500 cP @Temperature 23.9 °C	2500 cP @Temperature 75.0 °F	mixed
Linear Mold Shrinkage	0.0025 cm/cm	0.0025 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85 - 90	85 - 90	
Tensile Strength, Ultimate	18.6 MPa	2700 psi	
Elongation at Break	550 %	550 %	
Tear Strength	68.4 kN/m	390 pli	

Processing Properties	Metric	English	Comments
Cure Time	240 - 360 min	4.00 - 6.00 hour	demold time
	4320 - 7200 min	72.0 - 120 hour	full cure
Pot Life	20 min @Temperature 25.0 °C	20 min @Temperature 77.0 °F	work life (100g)
	30 min @Temperature 25.0 °C	30 min @Temperature 77.0 °F	gel time (180g)

Descriptive Properties	Value	Comments
Mix Ratio	100:55 by weight, 185:100 by volume (resin/hardener)	

Descriptive Properties	Value	Comments
------------------------	-------	----------

**Contact Songhan Plastic Technology Co.,Ltd.**

Website : [www.lookpolymers.com](http://www.lookpolymers.com)  
Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)  
Tel : +86 021-51131842  
Mobile : +86 13061808058  
Skype : lookpolymers  
Address : United North Road 215,Fengxian District, Shanghai City,China