



POLYTEK<sup>®</sup> DEVELOPMENT CORP.  
BCC PRODUCTS, INC.

---

## Technical Data Sheet BC-809 Urethane Elastomer

**BC-809** is a two-component system consisting of Iso (side A) and Curative (side B). It is designed to be used where curing at ambient temperatures and high level of mechanical properties of cured material is desired.

### **General Performance Properties:** *Cured 1hr.@ room temperature, plus 16 hours/176°F (80°C)*

---

Hardness, Shore A	82 +/- 2
Ultimate Tensile, psi	1900
Elongation, %	850
Tear strength, Die C, pli	265
Tear strength, split, pli	50
Bayshore Resilience, %	50

### **Processing Conditions**

---

Mix ratio (wt/wt), Iso: Curative	100 : 50
Pot life (100,000 cps visc.), minutes	25 +/- 5
Demold time , hours	24 @ 25°C (77°F)
Curing time for max properties, days	7 @ 25°C (77°F)

### **Iso Side A Properties**

---

Viscosity, cps (mPa·s) @ 25°C (77°F)	5700
Density, lbs/gallon @ 25°C (77°F)	9.047
Appearance	Colorless to yellow liquid

### **Curative Side B Properties**

---

Viscosity, cps (mPa·s) @ 25°C (77°F)	1880
Density, lbs/gallon @ 25°C (77°F)	9.320
Appearance	Yellow to amber liquid
Shelf Life, months	12
Storage conditions	Keep in a cool, dry place tightly sealed. Pad used containers with dry nitrogen for best storage performance.

**Safety:** Read and understand MSDS's before use. Use only in well ventilated areas. Avoid contact with skin. Wear chemical resistant gloves and proper safety equipment. If swallowed, call physician immediately. For eye contact, flush with water for 15 minutes and get medical attention.

2140 Earlywood Drive, P.O. Box 327, Franklin, IN 46131  
Ph (317) 736-4090 Fax (317) 736-4872  
Web: [www.bccproducts.com](http://www.bccproducts.com) & [www.polytek.com](http://www.polytek.com)

2/5/2020

**DISCLAIMER:** The information in this bulletin and otherwise provided by Polytek® Development Corp. is considered accurate. However, no warranty is expressed or implied regarding the accuracy of the data, the results to be obtained by the use thereof, or that any such use will not infringe any patent. Before using, the user shall determine the suitability of the product for the intended use and user assumes all risk and liability whatsoever in connection therewith.

2140 Earlywood Drive, P.O. Box 327, Franklin, IN 46131  
Ph (317) 736-4090 Fax (317) 736-4872  
Web: [www.bccproducts.com](http://www.bccproducts.com) & [www.polytek.com](http://www.polytek.com)

2/5/2020