



# Product Datasheet

## Urethane Elastomer System

# BC909

**BC909** 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	89 +/- 2
Ultimate Tensile, psi	3020
Elongation, %	630
Tear strength, Die C, pli	430
Tear strength, split, pli	67

### Processing Conditions

Mix ratio (wt/wt), Iso: Curative	100 : 45
Pot life (100,000 cps visc.), minutes	20 +/- 5
Demold time , hours	24 @ 25°C (77°F)
Curing time for max properties	16 hrs. @ 176°F plus 7 days @ 77°F

### Iso Side A Properties

Viscosity, cps (mPa·s) @ 25°C (77°F)	5700
Density, lbs/gallon @ 25°C (77°F)	9.04
Appearance	Colorless to yellow liquid

### Curative Side B Properties

Viscosity, cps (mPa·s) @ 25°C (77°F)	4900
Density, lbs/gallon @ 25°C (77°F)	8.95
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.**

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