



Product Datasheet

Urethane Elastomer System

BC809

Version: 041714

BC809 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.

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