



Product Datasheet

Urethane Elastomer System

XP2016-047

Version: 101116

XP2016-047 is a two-component system consisting of Iso (BC809 Iso Part A) and Curative (XP2016-047 Part B). It produces a **90A** polymer and is designed to be used where curing at ambient temperatures and high level of mechanical properties of cured material is desired. The product is MbOCA-free and contains no heavy metal catalysts.

General Performance Properties: *Cured 10-days. @ room temperature*

Hardness, Shore A	90 +/- 2	
Ultimate Tensile, psi	2100	ASTM D412
Elongation, %	600	ASTM D412
Tear strength, Die C, pli	400	ASTM D624C
Tear strength, split, pli	100	ASTM D470

Processing Conditions

Mix ratio (wt A/wt B), Iso= BC809A	100 : 42
Pot life (100,000 cps viscosity), minutes	20
Demold time , hours	24 @ 25°C (77°F)
Curing time for max properties, days	7 @ 25°C (77°F)

Iso Side A (BC809A) Properties

Viscosity, cps (mPa·s) @ 25°C (77°F)	5700
Density, lbs/gallon @ 25°C (77°F)	9.047
Appearance	Colorless to yellow liquid
Storage and use conditions	Keep in a cool, dry place tightly sealed. Pad used containers with dry nitrogen for best storage performance. Avoid elevated use or storage temperatures as this will degrade the NCO content and hurt the final polymer's physical properties.



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Curative Side B Properties

Viscosity, cps (mPa·s) @ 25°C (77°F)	400
Density, lbs/gallon @ 25°C (77°F)	9.050
Appearance	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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