



POLYTEK® DEVELOPMENT CORP.  
BCC PRODUCTS, INC.

## Technical Data Sheet BP-2019 Laminating Epoxy Resin

### Description

BP-2019 is a laminating resin. The resin is color indicated (green) and will turn to a clear amber color as the hardener is mixed into the resin. This indicator system promotes fast and efficient mixing of the resin and hardener, ensuring that they are thoroughly mixed yet wasting no time overmixing.

### Use Procedure

Mix the resin and hardener in the ratio of 100 parts resin to 25 parts hardener, by weight. Continue mixing until the green indicator color disappears. The pot-life of a 125 gram mass will be approximately 30 minutes. The best procedure is to allow overnight for full cure, however in some rigid structures the adhesive should be cured enough to handle in 6-8 hours.

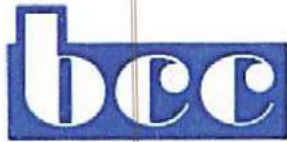
### Properties:

Mix ratio - resin/hardener:	100/25 by weight
Viscosity - mixed:	2,100 cps
Pot life - 125 grams:	30 minutes @ 72°F
Cure time:	16 hours @ 72°F - overnight
Hardness:	Shore D 80
Heat deflection temperature:	160°F

### Precautions

Skin contact should be avoided. After using, clean hands with alcohol followed by soap and water. For eye contact, flush with water and consult a physician immediately. For further safety information, please see the MSDS.

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## Product Datasheet



### Urethane Elastomer System

# XP2014-056 Poly / BC8590 Iso

XP2014-056/BC8590 iso is a two-component system consisting of Iso (side A) and Curative (side B). It is designed to be used where a higher level of mechanical properties of cured material is desired.

**General Performance Properties:** *Post-cured @ 175F for 16 hours then 7 days at 75F*

Hardness, Shore A	95 +/- 2
Ultimate Tensile, psi	3830
Elongation, %	480
Tear strength, Die C, pli	540

**Processing Conditions**

Mix ratio (wt/wt), Iso: Polyol	70 : 100
Processing Temperature, Iso / Polyol	25°C / 40°C
Mold Temperature	60°C to 80°C
Gel Time	7 – 10 min.
Curing time for max properties	16 hrs @ 80°C (177°F) 5 to 7 days @ 25°C (77°F)

**Iso Side A Properties**

Viscosity, cps (mPa·s) @ 25°C (77°F)	700
Density, lbs/gallon @ 25°C (77°F)	10.0
Appearance	Colorless to yellow liquid

**Curative Side B Properties**

Viscosity, cps (mPa·s) @ 40°C (102°F)	1000 to 1300
*Solid @ Room Temp; melt temp ~35°C	
Density, lbs/gallon @ 40°C (77°F)	8.4
Appearance @ processing temp	Colorless 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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