

## BCC Products BC 5010 Epoxy Laminating System

Category : Polymer , Thermoset , Epoxy

### Material Notes:

BC 5010 is a high quality, low viscosity room temperature curing laminating resin. A Safety System for the production of a variety of dimensionally stable fiberglass tools. BC 5010 features low odor and rapid "wet-out" with no vertical drain off. An excellent general purpose laminating resin to meet the tooling requirements for automotive, aircraft and foundry. Information provided by BCC Products, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BCC-Products-BC-5010-Epoxy-Laminating-System.php](http://www.lookpolymers.com/polymer_BCC-Products-BC-5010-Epoxy-Laminating-System.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 g/cc	
Brookfield Viscosity	3200 cP @Temperature 25.0 °C	3200 cP @Temperature 77.0 °F	Mixed

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90 @Temperature 25.0 °C	90 @Temperature 77.0 °F	
Tensile Strength, Ultimate	173 MPa	25100 psi	
Flexural Strength	210 MPa	30500 psi	
Flexural Modulus	13.0 GPa	1880 ksi	
Compressive Strength	266 MPa	38600 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	23.4 µm/m-°C	13.0 µin/in-°F	
Deflection Temperature at 1.8 MPa (264 psi)	87.8 °C	190 °F	

Processing Properties	Metric	English	Comments
Cure Time	480 - 720 min @Temperature 24.0 °C	8.00 - 12.0 hour @Temperature 75.2 °F	
Pot Life	25 - 30 min @Temperature 24.0 °C	25 - 30 min @Temperature 75.2 °F	1 lb. mass

Descriptive Properties	Value	Comments
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Mix Ratio Descriptive Properties	6:1 by weight, 4.5:1 by volume, resin/harder Value	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China