

## BCC Products BC 7009-2 Epoxy Casting

Category : Polymer , Thermoset , Epoxy

### Material Notes:

BC 7009-2 is an iron filled, low-cost mass casting system. Recommended for use in casting a minimum of two inches and a maximum of six inches in non-conductive molds. Thicknesses to nine inches in metal or conductive-type molds can successfully be achieved as well. Ideal for stretch forms, patterns, dies, molds, duplications, prototypes, etc. Information provided by BCC Products, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BCC-Products-BC-7009-2-Epoxy-Casting.php](http://www.lookpolymers.com/polymer_BCC-Products-BC-7009-2-Epoxy-Casting.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.27 g/cc	2.27 g/cc	
Brookfield Viscosity	35000 cP @Temperature 23.9 °C	35000 cP @Temperature 75.0 °F	Mixed
Linear Mold Shrinkage	0.00090 cm/cm	0.00090 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85 @Temperature 23.9 °C	85 @Temperature 75.0 °F	
Tensile Strength, Ultimate	37.2 MPa	5400 psi	
Flexural Strength	51.0 MPa	7400 psi	
Flexural Modulus	5.58 GPa	810 ksi	
Compressive Strength	86.9 MPa	12600 psi	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	50.6 °C	123 °F	

Processing Properties	Metric	English	Comments
Cure Time	1440 min @Temperature 24.0 °C	24.0 hour @Temperature 75.2 °F	
Pot Life	240 min @Temperature 24.0 °C	240 min @Temperature 75.2 °F	15 lb. mass

Descriptive Properties	Value	Comments
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Machinability Descriptive Properties	Good Value	Comments
Mix Ratio	12:1 by weight, 4.5:1 by volume, resin/harder	

## 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