

## BCC Products BC 7062H Epoxy Casting

Category : Polymer , Thermoset , Epoxy

### Material Notes:

BC 7062 are aluminum filled, low viscosity epoxy mass casting resins. These room temperature cure systems allow the user choice thicknesses of 1/8 inch to a maximum of 6 inches without foaming or yielding excessive shrinkage. Casting thicknesses may be increased by incorporating aluminum needles, puffs or granules. BC 7062, when properly cured, provides nearly perfect reproduction, resulting in a dimensionally stable, hard, tough surface. For use in constructing duplicate models, prototypes, patterns, facing dies, etc. Information provided by BCC Products, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BCC-Products-BC-7062H-Epoxy-Casting.php](http://www.lookpolymers.com/polymer_BCC-Products-BC-7062H-Epoxy-Casting.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.85 g/cc	1.85 g/cc	
Brookfield Viscosity	5400 cP @Temperature 23.9 °C	5400 cP @Temperature 75.0 °F	Mixed
Linear Mold Shrinkage	0.0012 cm/cm	0.0012 in/in	ASTM D2566-69

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	86 @Temperature 23.9 °C	86 @Temperature 75.0 °F	
Tensile Strength, Ultimate	36.5 MPa	5300 psi	
Flexural Strength	60.7 MPa	8800 psi	
Compressive Strength	99.3 MPa	14400 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	57.6 µm/m-°C	32.0 µin/in-°F	
Heat Distortion Temperature	56.7 °C	134 °F	

Processing Properties	Metric	English	Comments
Cure Time	720 - 1080 min @Temperature 24.0 °C	12.0 - 18.0 hour @Temperature 75.2 °F	
Pot Life	50 - 60 min @Temperature 24.0 °C	50 - 60 min @Temperature 75.2 °F	2 lb. mass

Descriptive Properties	Value	Comments
Machinability	Excellent	
Mix Ratio	12:1 by weight, 6.5:1 by volume, resin/harder	

## Contact Songhan Plastic Technology Co.,Ltd.

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