

## BCC Products BC 7136-2 Epoxy Casting

Category : Polymer , Thermoset , Epoxy

### Material Notes:

BC7136-2 is an aluminum filled thick section casting system with heat resistance to 300°F. May be cast to a thickness of 2 inches in non-conductive molds, 3 inches in conductive molds and thicker sections with the addition of bulk fill. For service temperature above 150°F a post-cure is required. Does not contain VCHD or MDA. See cure schedule. Information provided by BCC Products, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BCC-Products-BC-7136-2-Epoxy-Casting.php](http://www.lookpolymers.com/polymer_BCC-Products-BC-7136-2-Epoxy-Casting.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.67 g/cc	1.67 g/cc	
Brookfield Viscosity	13500 cP @Temperature 23.9 °C	13500 cP @Temperature 75.0 °F	Mixed
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	ASTM D2566-69

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90 @Temperature 23.9 °C	90 @Temperature 75.0 °F	
Tensile Strength, Ultimate	54.5 MPa	7900 psi	
Flexural Strength	61.4 MPa	8900 psi	
Compressive Strength	190 MPa	27600 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	36.4 µm/m-°C	20.2 µin/in-°F	
Deflection Temperature at 1.8 MPa (264 psi)	157 °C	314 °F	

Processing Properties	Metric	English	Comments
Cure Time	1440 min @Temperature 24.0 °C	24.0 hour @Temperature 75.2 °F	
Pot Life	180 min @Temperature 24.0 °C	180 min @Temperature 75.2 °F	1 lb. mass

Descriptive Properties	Value	Comments
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Mix Ratio	Value	Comments
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Descriptive Properties

100:9 by weight, 100:16 by volume, resin/harder

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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