

BCC Products BC 7062-2H 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-7062-2H-Epoxy-Casting.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.81 g/cc	1.81 g/cc	
Brookfield Viscosity	7000 cP @Temperature 23.9 °C	7000 cP @Temperature 75.0 °F	Mixed
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 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	33.8 MPa	4900 psi	
Flexural Strength	55.8 MPa	8100 psi	
Compressive Strength	94.5 MPa	13700 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	66.6 µm/m-°C	37.0 µin/in-°F	
Heat Distortion Temperature	54.4 °C	130 °F	

Processing Properties	Metric	English	Comments
Cure Time	1440 - 1800 min @Temperature 24.0 °C	24.0 - 30.0 hour @Temperature 75.2 °F	
Pot Life	70 - 80 min @Temperature 24.0 °C	70 - 80 min @Temperature 75.2 °F	2 lb. mass

Descriptive Properties	Value	Comments
Machinability	Excellent	
Mix Ratio	9:1 by weight, 4.6:1 by volume, resin/harder	

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