

BCC Products Kwik Kast BC 8650 Urethane Casting

Category : Polymer , Thermoset , Polyurethane, TS

Material Notes:

BC 8650 is an advanced fast cast polyurethane tooling system. BC 8650 features low viscosity, low exotherm and minimal shrinkage. Kwik Kast Blue cures hard, yet more durable resulting in less brittle parts. Designed for constructing patterns, prototypes, duplications, negatives, low temperature vacuum form tools, tracing models, etc. Information provided by BCC Products, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BCC-Products-Kwik-Kast-BC-8650-Urethane-Casting.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.90 g/cc	1.90 g/cc	
Brookfield Viscosity	2360 cP @Temperature 23.9 °C	2360 cP @Temperature 75.0 °F	1 minute
Linear Mold Shrinkage	0.00080 cm/cm	0.00080 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	81 - 85 @Temperature 23.9 °C	81 - 85 @Temperature 75.0 °F	
Tensile Strength, Ultimate	28.4 MPa	4120 psi	
Flexural Strength	43.1 MPa	6250 psi	
Compressive Strength	63.4 MPa	9200 psi	

Processing Properties	Metric	English	Comments
Cure Time	60.0 - 120 min @Temperature 24.0 °C	1.00 - 2.00 hour @Temperature 75.2 °F	demold time
Pot Life	5.0 - 6.0 min @Temperature 24.0 °C	5.0 - 6.0 min @Temperature 75.2 °F	1 lb. mass

Descriptive Properties	Value	Comments
Mix Ratio	1:1 by weight or volume	

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