

BCC Products Kwik Kast BC 8001 Urethane Casting

Category : Polymer , Thermoset , Polyurethane, TS

Material Notes:

BC8001 is an advanced fast cast polyurethane tooling system. It features low viscosity, low exotherm and minimal shrinkage. It 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-8001-Urethane-Casting.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.80 - 1.90 g/cc	1.80 - 1.90 g/cc	
Brookfield Viscosity	2200 cP @Temperature 23.9 °C	2200 cP @Temperature 75.0 °F	1 minute, #3 spindle @ 20 rpm
Linear Mold Shrinkage	0.00080 cm/cm	0.00080 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	83 - 87 @Temperature 23.9 °C	83 - 87 @Temperature 75.0 °F	
Tensile Strength, Ultimate	39.3 MPa	5700 psi	
Flexural Strength	56.5 MPa	8200 psi	
Compressive Strength	91.0 MPa	13200 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 min @Temperature 24.0 °C	5.0 min @Temperature 75.2 °F	

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

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