

BCC Products SLO-KAST BC 8009 Urethane Casting

Category : Polymer , Thermoset , Polyurethane, TS

Material Notes:

Slo-Kast is a low viscosity, medium setting, easy to use casting material. This polyurethane system features extremely low shrinkage when properly cured. Unlike Kwik-Kast, BC 8009 offers the user longer working time for filling large closed mold cavities. Slo-Kast is ideal for casting large sections without having to stage pour. Uses include; tracing models, core boxes, keller aids, patterns, core sticks, vacuum form tools, prototypes and display parts. Information provided by BCC Products, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BCC-Products-SLO-KAST-BC-8009-Urethane-Casting.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.80 - 1.90 g/cc	1.80 - 1.90 g/cc	ASTM D792-66
Brookfield Viscosity	2950 cP @Temperature 23.9 °C	2950 cP @Temperature 75.0 °F	#3 spindle @ 20 rpm; ASTM D2393
Linear Mold Shrinkage	0.00020 cm/cm	0.00020 in/in	ASTM D2566-69

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85 @Temperature 23.9 °C	85 @Temperature 75.0 °F	ASTM D2240
Tensile Strength, Ultimate	40.3 MPa	5850 psi	
Compressive Strength	60.7 MPa	8800 psi	ASTM D695

Processing Properties	Metric	English	Comments
Cure Time	210 - 240 min @Temperature 24.0 °C	3.50 - 4.00 hour @Temperature 75.2 °F	demold time
Pot Life	14 - 17 min @Temperature 24.0 °C	14 - 17 min @Temperature 75.2 °F	1 lb. mass

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

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