

## BCC Products METAL-KAST BC 8010 Urethane Casting

Category : Polymer , Thermoset , Polyurethane, TS

### Material Notes:

New BC8010 is a quick setting urethane reproduction plastic system that simulates many of the desirable characteristics of aluminum metal. A highly machineable tooling material that is now easier to premix due to less settling. New BC8010 exhibits good heat transfer properties and is ideally suited for a multitude of applications, to include construction of short run low temperature vacuum form tools, prototypes, models, display parts, fixturing and bulk back fill. Information provided by BCC Products, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BCC-Products-METAL-KAST-BC-8010-Urethane-Casting.php](http://www.lookpolymers.com/polymer_BCC-Products-METAL-KAST-BC-8010-Urethane-Casting.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.75 - 1.85 g/cc	1.75 - 1.85 g/cc	
Brookfield Viscosity	2250 cP @Temperature 23.9 °C	2250 cP @Temperature 75.0 °F	1 minute, #3 spindle @ 20 rpm
Linear Mold Shrinkage	0.00070 cm/cm	0.00070 in/in	ASTM D2566-69

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	83 @Temperature 23.9 °C	83 @Temperature 75.0 °F	
Tensile Strength, Ultimate	27.90 MPa	4046 psi	ASTM D638
Flexural Strength	45.9 MPa	6650 psi	ASTM D790
Compressive Strength	67.2 MPa	9750 psi	ASTM D695

Thermal Properties	Metric	English	Comments
Heat Distortion Temperature	81.7 °C	179 °F	

Processing Properties	Metric	English	Comments
Cure Time	90.0 - 120 min @Temperature 24.0 °C	1.50 - 2.00 hour @Temperature 75.2 °F	demold time
Pot Life	6.0 - 7.0 min @Temperature 24.0 °C	6.0 - 7.0 min @Temperature 75.2 °F	1 lb. mass

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

## **Contact Songhan Plastic Technology Co.,Ltd.**

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