

BCC Products LIK-WOOD BC 8007 Urethane Casting

Category : Polymer , Thermoset , Polyurethane, TS

Material Notes:

Lik-Wood is a low viscosity, quick setting, easy to use casting material. A model or tool cast from Lik-Wood will weigh 60% less than other filled urethane systems. Within 30 minutes after mixing and pouring, Lik-Wood is ready to be carved, sanded, filed, tapped etc. Its wood-like characteristics make it ideal for light-weight backing of laminates and/or surface coats. Uses: fast take offs, cores, engineering changes, temporary molds, patterns, models, prototypes and bases for die models. Information provided by BCC Products, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BCC-Products-LIK-WOOD-BC-8007-Urethane-Casting.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.630 g/cc	0.630 g/cc	ASTM D792-66
Brookfield Viscosity	600 cP	600 cP	Part A; ASTM D2393
	@Temperature 23.9 °C	@Temperature 75.0 °F	
	700 cP	700 cP	Mixed; ASTM D2393
	@Temperature 23.9 °C	@Temperature 75.0 °F	Part B; ASTM D2393
	800 cP	800 cP	
	@Temperature 23.9 °C	@Temperature 75.0 °F	
Linear Mold Shrinkage	0.0029 cm/cm	0.0029 in/in	ASTM D2566-69

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ASTM D2240
	@Temperature 23.9 °C	@Temperature 75.0 °F	
Tensile Strength, Ultimate	11.4 MPa	1660 psi	ASTM D638
Flexural Strength	18.8 MPa	2730 psi	ASTM D790
Flexural Modulus	1.18 GPa	171 ksi	ASTM-D-790
Compressive Strength	21.0 MPa	3050 psi	ASTM D695
Izod Impact Resistance	0.122 J/cm ²	0.580 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Heat Distortion Temperature	56.1 °C	133 °F	ASTM-D-648-56

Processing Properties	Metric	English	Comments
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Processing Properties	60.0 - 120 min Metric	1.00 - 2.00 hour English	Comments
	@Temperature 24.0 °C	@Temperature 75.2 °F	
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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