

## BCC Products BC 8400 Urethane Casting

Category : Polymer , Thermoset , Polyurethane, TS

### Material Notes:

BC8400 is an unfilled, low viscosity, quick setting two component urethane system. When properly cured, BC 8400 will exhibit high impact strength and yield thermoplastic-like parts. Some features include the following: mercury free, high impact strength, moderate heat resistance, no objectionable odor, excellent finishing properties, turns white upon cure, thermoplastic appearance, and longer mold life. Information provided by BCC Products, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BCC-Products-BC-8400-Urethane-Casting.php](http://www.lookpolymers.com/polymer_BCC-Products-BC-8400-Urethane-Casting.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	ASTM D792-66
Brookfield Viscosity	190 cP	190 cP	Mixed
	480 cP	480 cP	Part B
	64 cP @Temperature 23.9 °C	64 cP @Temperature 75.0 °F	Part A
Linear Mold Shrinkage	0.0025 cm/cm	0.0025 in/in	ASTM D2566

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	72 - 78	72 - 78	ASTM D2240
	@Temperature 23.9 °C	@Temperature 75.0 °F	
Tensile Strength, Ultimate	36.72 MPa	5326 psi	ASTM D638
Elongation at Break	13.1 %	13.1 %	ASTM D638
Flexural Strength	60.5 MPa	8770 psi	ASTM D790
Flexural Modulus	1.730 GPa	250.9 ksi	ASTM D790
Izod Impact, Notched	0.715 J/cm	1.34 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Heat Distortion Temperature	62.8 °C	145 °F	ASTM D648

Processing Properties	Metric	English	Comments
Cure Time	30.0 - 60.0 min	0.500 - 1.00 hour	demold time
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Processing Properties	Metric	English	Comments
Pot Life	3.0 min	3.0 min	gel time, 200g; ASTM 2471-71
	@Temperature 24.0 °C	@Temperature 75.2 °F	

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

## Contact Songhan Plastic Technology Co.,Ltd.

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