

BCC Products BC 8405 Urethane Casting

Category : Polymer , Thermoset , Polyurethane, TS

Material Notes:

BC8405 is an unfilled, low viscosity, quick setting two component urethane system. When properly cured, BC 8405 will exhibit high impact strength and yield thermoplastic-like parts. Some features include the following: mercury free, moderate heat resistance, no objectionable odor, excellent finishing properties, turns white upon cure, and thermoplastic appearance. Information provided by BCC Products, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BCC-Products-BC-8405-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	0.0010 cm/cm	0.0010 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	37.24 MPa	5401 psi	ASTM D638
Elongation at Break	11.6 %	11.6 %	ASTM D638
Flexural Strength	62.13 MPa	9011 psi	ASTM D790
Flexural Modulus	1.8264 GPa	264.89 ksi	ASTM D790
Izod Impact, Notched	0.705 J/cm	1.32 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Heat Distortion Temperature	60.6 °C	141 °F	ASTM D648

Processing Properties	Metric	English	Comments
Cure Time	120 - 240 min	2.00 - 4.00 hour	demold time
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	15 min	15 min	

Processing Properties	Metric	English	Comments
	@ Temperature 25.0 °C	@ Temperature 77.0 °F	gel time: 200g; ASTM 2471-71

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

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China