



**BCC PRODUCTS, INC.**

**BLEHM PLASTICS**

FAST CAST – EPOXIES – ADHESIVES - POLYSULFIDES - URETHANES – POLYESTER PASTES – TOOLING BOARDS – RELEASE AGENTS – SILICONES

## EPOXY CASTING

(Black)  
**BC7053**  
Epoxy

**BC 7053** is an iron filled epoxy casting system. This system is a high iron content material that provides unsurpassed wear resistance. **BC7053** was designed for use in constructing core boxes, holding and trimming fixtures, foundry patterns, etc.

### Working Properties

Mix Ratio (Resin/Hardener)	100 to 5 by wt. 100 to 6.5 by vol.
Viscosity (Mixed) Brookfield @ 75°F	10,000 cps
Pot Life (1 lb. mass) 75°F	55 - 60 Minutes
Cure Schedule @ 75°F	12-18 Hours
Full Cure @ 75°F	7 Days

### Physical Properties

Specific Gravity (gms/cc)	2.83
Weight/cu.in. (lbs.)	0.10
Hardness (Shore D) @ 75°F	90
Heat Distortion Temperature (°F)	127
Tensile Strength (Ultimate) psi	7,200
Flexural Strength (Ultimate) psi	9,000
Flexural Modulus (psi)	---
Compressive Strength (Ultimate) psi	15,400
Linear Shrinkage (ASTM-D-2566-69)	.0002
Thermal Coefficient of Expansion in./in./°F	3.2 x 10 <sup>-5</sup>
Machinability	Good

**NOTE:** The information contained herein is believed to be reliable. All recommendations are made without guarantee inasmuch as conditions and methods of commercial use are beyond our control. Properties given are typical values and are not intended for use in preparing specifications.

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