



**BCC PRODUCTS, INC.**

**BLEHM PLASTICS**

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

## EPOXY CASTING

(Black)

**BC7009-1**

Epoxy

**BC 7009-1** is an iron filled, low-cost mass casting system. Thicknesses up to two inches in non-conductive molds, and four inches in conductive molds can be achieved without foaming or yielding excessive shrinkage. Ideal for stretch forms, patterns, dies, molds, duplications, prototypes, etc..

### Working Properties

Mix Ratio (Resin/Hardener)	100 to 10 by wt. 100 to 26 by vol.
Viscosity (Brookfield @ 75°F) Mixed	20,000 cps
Pot Life (2 lb. mass) @75°F	90 Minutes
Cure Schedule @ 75°F	Overnight

### Physical Properties

Specific Gravity (gms/cc)	2.24
Weight/cu.in. (lbs.)	0.081
Hardness (Shore D) @ 75°F	87
Ultimate Tensile Strength (psi)	6,200
Ultimate Flexural Strength (psi)	7,800
Ultimate Compressive Strength (psi)	14,800
Heat Distortion Temperature (°F)	138
Flexural Modulus (psi)	0.98 x 10 <sup>6</sup>
Shrinkage	0.001 in./in.
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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