



**BCC PRODUCTS, INC.**

**BLEHM PLASTICS**

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

## EPOXY CASTING

(Black)

**BC7009-2**

Epoxy

**BC 7009-2** is an iron filled, low-cost mass casting system. Recommended for use in casting a minimum of two inches and a maximum of six inches in non-conductive molds. Thicknesses to nine inches in metal or conductive-type molds can successfully be achieved as well. Ideal for stretch forms, patterns, dies, molds, duplications, prototypes, etc..

### Working Properties

Mix Ratio (Resin/Hardener)	12 to 1 by wt. 4.5 to 1 by vol.
Viscosity (Brookfield @ 75°F) Mixed	35,000 cps
Pot Life (15 lb. mass) @75°F	240 Minutes
Cure Schedule @ 75°F	24 Hours

### Physical Properties

Specific Gravity (gms/cc)	2.27
Weight/cu.in. (lbs.)	0.082
Hardness (Shore D) @ 75°F	85
Ultimate Tensile Strength (psi)	5,400
Ultimate Flexural Strength (psi)	7,400
Ultimate Compressive Strength (psi)	12,600
Heat Distortion Temperature (°F)	123
Flexural Modulus (psi)	0.81 x 10 <sup>6</sup>
Shrinkage	0.0009 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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