



**BCC PRODUCTS, INC.**

**BLEHM PLASTICS**

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

## EPOXY BACKFILL SYSTEM

(Low Density)

**BC7020**

Epoxy

**BC 7020** is a lightweight two component epoxy backfill system. Unlike BC 7010, the filler portion is pre-blended into the resin and hardener components for easier handling, thus simplifying the mixing process. **BC 7020** is ideally suited for foundry applications involving mold and core construction.

**BC 7020** features the following advantages:

- \*Low cost
- \*Simple mix ratio (1 to 1 by wt.)
- \*Long pot life
- \*Machineable
- \*Low shrinkage
- \*Color change to insure complete mix

### Working Properties

Mix Ratio (Resin/Hardener)	1 to 1 by wt.
Viscosity (Brookfield @ 75° F) Mixed	Paste
Pot Life (1/2 lb. mass) @ 75° F	2-3 Hours
Color, Resin	Blue
Color, Hardener	Yellow/Brown
Color, Mixed	Green
Cure Schedule @ 75° F	24 Hours

### Physical Properties

Specific Gravity (gms/cc)	0.78
Cubic inches/lb. of product	36
Lbs./Cubic inch of product	0.028
Hardness (Shore D) @ 75° F	65
Ultimate Compressive Strength (psi)	3,680
Deflection Temperature (264 psi) ° F	128
Shrinkage, Linear (ASTM-D-2566-69)	0.0002 in./in.

### BC 7020

#### MIXING PROCEDURE

Combine equal parts (by weight) into a clean, dry mixing container such as a Hobart Kettle or similar vessel. Mix completely 5-10 minutes) until blue and yellow components yield a faint green uniform color. Empty mixture into mold cavity in 1 to 2 inch layers and compact (tamp) into place.

*Note:* To insure adhesion between previous applied surface coat, laminate or **BC 7020** backfill system, it is recommended that a thin layer of epoxy resin/hardener mixture be used prior to back filling with the **BC 7020** system.

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