



BCC PRODUCTS, INC.

BLEHM PLASTICS

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

EPOXY LAMINATING SYSTEM

(Heat Resistant) Gray

BC5114

Epoxy

BC 5114 is a gray low viscosity laminating system. This heat resistant resin exhibits excellent wet out, reasonable working time and may be used at room temperature without post-curing. For use above 150°F a post-cure is required. **BC 5114** can afford consistent use to 300°F if required. Does not contain VCHD or MDA. Same uses as with BC 5105. See cure schedule.

Working Properties

Mix Ratio (Resin/Hardener)	100 to 13 by wt. 100 to 18 by vol.
Viscosity (Brookfield @ 75°F)	3,600 cps
Pot Life (1 lb. mass) @75°F	60 Minutes

Cure Schedule

BC 5114 can be removed from the mold after allowing to set 24 hours @ room temperature (75°F). Post cure for applications requiring temperatures above 150°F can be accomplished in an oven or in use by a gradual heat rise; 2 hours @ 150°F plus 2 hours @ 250°F plus 2 hours at 300°F.

Physical Properties

Specific Gravity (gms/cc)	1.31
Weight/cu.in. (lbs.)	0.047
Hardness (Shore D) @ 75°F	90
*Ultimate Tensile Strength (psi)	26,000
*Ultimate Flexural Strength (psi)	33,000
*Ultimate Compressive Strength (psi)	52,800
*Thermal Coefficient of Expansion (in./in./°F)	1.27 x 10 ⁻⁵
Heat Distortion Point 264 psi (Cast) °F	295

*Properties obtained from a 10 oz. glass cloth laminate. Not intended for use in preparing specifications.

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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