



BCC PRODUCTS, INC.

BLEHM PLASTICS

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

URETHANE ELASTOMER

(Light Amber or Black or Red)

BC8870

Urethane

BC8870 is a low viscosity two-component urethane casting compound that is specifically formulated for high abrasion and impact resistance. It is recommended for use for the production casting of highly wear-resistant parts and linings. This product is a safe, easy-to-handle, room temperature mixing and curing system that does not contain TDI, MDI, or MOCA. **BC8870** is relatively insensitive to typical environmental moisture and will make good void-free parts without the problems that some conventional urethane systems exhibit.

Working Properties

Mix Ratio:

Resin Part A 100 parts by Weight
Curative Part B 60 parts by Weight

Viscosity, Centipoise (cps) @ 75°F
Mixed, @ 1.5 Min. 1,800 - 2,000

Work Life @ 75°F 18-20 minutes

Color, Part A Clear
Part B Light Amber, or Black, or Red

Demold Time: Normally 2 to 3 hours at ambient; can be reduced to 1 hour with moderately elevated temperatures and/or molds.

Cure Schedule: Full cure in 3 to 5 days at room temperature or 16 hours @ 150° to 180°F.

Physical Properties

Specific Gravity (gm/cc) density	1.10
Cu. in./lb.	25.2
Hardness, Shore D	70 ± 2
Tensile Strength (psi) ASTM D-412	3,800 psi
Tensile Modulus (psi)	36,000
Shrinkage (in./in.)	0.0025
Color	Light Amber
Elongation (%) ASTM D-624	400
Tear Strength (pli) ASTM D-412	650
Flexural Strength (psi) ASTM D-790	3,700
Flexural Modulus (psi) ASTM D-790	78,000
Compression Set (method B) % ASTM D-395	42
Bayshore Rebound % ASTM D-575	48
Compressive strength at failure (psi)	9800

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