



BCC PRODUCTS, INC.

BLEHM PLASTICS

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

HIGH DENSITY TOOLING BOARD

(Machinable)

MB 5000 WHITE

BCC Products now offers a revolutionary state-of-the-art machineable high density board for today's demanding tooling requirements. **MB 5000** is an extremely tough, high impact Urethane Plank, that can be used for metal forming as well as nickel plating mandrels.

OUTSTANDING FEATURES

- * Excellent machinability
- * Low dust emission, mostly shavings
- * No shrinkage
- * Excellent impact and wear resistance
- * Excellent surface detail reproduction
- * Excellent surface finish

USES

- * Nickel plating mandrels
- * Fixtures
- * Proofing intricate NC designs
- * Numerous tooling aids
- * Various prototypes
- * Architectural models
- * Metal forming dies
- * Jigs

PHYSICAL PROPERTIES

Color	White
Density, ASTM D-792 (lbs/ft ³ ; gms/cm ³)	100; 1.6
Hardness, ASTM D-2240, Shore D	88 ± 2
Ultimate Tensile Strength (psi)	7,655
Flexural Strength, ASTM D-790, psi	9,980
Flexural Modulus, ASTM D-790, psi	685,000
Heat Distortion Temperature, ASTM D-648 °F (°C)	195
Coefficient of Thermal Expansion per TMA, ASTM D-3386 in/in/°F (-22°F to +86°F)	2.29 x 10 ⁻⁵
Glass Transition Temp., DMA, ASTM D-4065, °F (°C)	215 (101)

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