

BCC Products MB 3500 Urethane Fixture Board

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

MB 3500 is an extremely tough, high impact Urethane Plank, that can replace aluminum and other metals for many foundry applications.

Features: excellent machinability, low dust emission, mostly shavings, no shrinkage, excellent impact and wear resistance, excellent surface detail reproduction, and excellent surface finish. Uses: fixtures, proofing intricate NC designs, numerous tooling aids, various prototypes, architectural models, foundry patterns and core boxes, and jigs. Information provided by BCC Products, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BCC-Products-MB-3500-Urethane-Fixture-Board.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.770 g/cc	0.770 g/cc	ASTM-D-792-66

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	71 - 75	71 - 75	ASTM D2240
Tensile Strength, Ultimate	44.99 MPa	6525 psi	
Flexural Strength	80.39 MPa	11660 psi	ASTM D790
Flexural Modulus	2.325 GPa	337.2 ksi	ASTM-D-790

Thermal Properties	Metric	English	Comments
CTE, linear	52.2 $\mu\text{m}/\text{m}\cdot\text{°C}$	29.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	
Deflection Temperature at 1.8 MPa (264 psi)	93.3 °C	200 °F	ASTM-D-648-56
Glass Transition Temp, Tg	102 °C	215 °F	ASTM D4065

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