

BCC Products MB 1100 Polyurethane Foam Modeling Board

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

MB 1100 is an Olive colored rigid closed-cell polyurethane foam tooling and modeling board. MB 1100 is low density foam of approximately 10lbs/ft³ board. Easily cut using CNC machining equipment or by hand the MB 1100 is perfectly suited for temporary master models, architectural design models, foundry patterns as well as design verification and prototype tools. Easily machined or hand carved, very little abrasion, no shrinkage, excellent at high speed cutting, excellent surface finish, and exceptional dimensional stability. Uses: proofing intricate CNC designs, numerous tooling aids, temporary master models (automotive/aerospace), various prototypes, architectural models, foundry applications, bases for die models. Information provided by BCC Products, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BCC-Products-MB-1100-Polyurethane-Foam-Modeling-Board.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.160 g/cc	0.160 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	20	20	
Tensile Strength, Ultimate	2.41 MPa	350 psi	
Flexural Strength	2.62 MPa	380 psi	
Compressive Strength	1.93 MPa	280 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	59.4 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	33.0 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
Maximum Service Temperature, Air	90.6 $^\circ\text{C}$	195 $^\circ\text{F}$	
Minimum Service Temperature, Air	-184 $^\circ\text{C}$	-300 $^\circ\text{F}$	

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