

BCC Products MB 1300 Polyurethane Foam Modeling Board

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

MB 1300 is a Mahogany colored rigid closed-cell polyurethane foam tooling and modeling board. MB 1300 is medium low density foam of approximately 30lbs/ft³ board. Easily cut using CNC machining equipment the MB 1300 is perfectly suited for visual master models, architectural design models as well as design verification and prototype tools. Features: 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-1300-Polyurethane-Foam-Modeling-Board.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.497 g/cc	0.497 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58	58	
Tensile Strength, Ultimate	8.62 MPa	1250 psi	
Flexural Strength	16.5 MPa	2400 psi	
Compressive Strength	15.2 MPa	2200 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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