

BCC Products MB 1200 Polyurethane Foam Modeling Board

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

MB 1200 is an Apricot and/or Pink colored rigid closed-cell polyurethane foam tooling and modeling board. MB 1200 is low density foam of approximately 20lbs/ft³ board. Easily cut using CNC machining equipment or by hand the MB 1200 is perfectly suited for temporary master models, architectural design models, foundry patterns 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-1200-Polyurethane-Foam-Modeling-Board.php

| Physical Properties | Metric | English | Comments |
|---------------------|------------|------------|----------|
| Specific Gravity | 0.320 g/cc | 0.320 g/cc | |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|-----------------|-----------------|----------|
| Hardness, Shore D | 40 | 40 | |
| Tensile Strength, Ultimate | 6.17 MPa | 895 psi | |
| Flexural Strength | 9.17 MPa | 1330 psi | |
| Compressive Strength | 7.79 - 7.86 MPa | 1130 - 1140 psi | |

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

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