

BCC Products MB 8250 Aluminum Board

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

MB 8250 is an aluminum filled product that is dimensionally stable and exhibits great machinable properties. Features: excellent machineability, low dust emission, no shrinkage, low moisture absorption, excellent surface detail reproduction, and excellent surface finish. Uses: proofing intricate NC designs, numerous tooling aids, master models (automotive/aerospace), various prototypes, architectural models, foundry applications, bases for Die models, and short run vacuum forming tools (low temperature). Information provided by BCC Products, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BCC-Products-MB-8250-Aluminum-Board.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.60 g/cc	1.60 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85	85	
Tensile Strength, Ultimate	27.901 MPa	4046.7 psi	
Tensile Modulus	0.5434 GPa	78.82 ksi	
Flexural Strength	46.655 MPa	6766.7 psi	
Flexural Modulus	4.221 GPa	612.2 ksi	
Compressive Strength	58.231 MPa	8445.7 psi	
Compressive Modulus	0.0924 GPa	13.4 ksi	
Izod Impact, Notched	0.726 J/cm	1.36 ft-lb/in	

Thermal Properties	Metric	English	Comments
CTE, linear	70.6 $\mu\text{m/m-}^{\circ}\text{C}$	39.2 $\mu\text{in/in-}^{\circ}\text{F}$	
Deflection Temperature at 1.8 MPa (264 psi)	79.4 $^{\circ}\text{C}$	175 $^{\circ}\text{F}$	

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