

M Cubed Technologies ABC-501 Aluminum alloy-50% B4C Metal Matrix Composite

Category : Ceramic , Carbide , Metal , Metal Matrix Composite

Material Notes:

Used for applications requiring neutron absorption. Unique process yields very high B4C content. Can be used to produce large, complex shapes
Information provided by M Cubed Technologies, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_M-Cubed-Technologies-ABC-501-Aluminum-alloy-50-B4C-Metal-Matrix-Composite.php

Physical Properties	Metric	English	Comments
Density	2.58 g/cc	0.0932 lb/in ³	ASTM C135

Mechanical Properties	Metric	English	Comments
Modulus of Elasticity	210 GPa	30500 ksi	ASTM E494
Flexural Strength	350 MPa	50800 psi	ASTM C1161

Descriptive Properties	Value	Comments
Matrix	Al Alloy	
Particle Reinforcement	B ₄ C	
Vol. % Reinforcement	50	

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