

M Cubed Technologies AAC-501 Aluminum alloy-50% Al₂O₃ Metal Matrix Composite

Category : Ceramic , Oxide , Aluminum Oxide , Metal , Metal Matrix Composite

Material Notes:

Produced using SiC preforms and a patented pressureless infiltration process. High SiC content - very high stiffness and strength. Can be used to make very large, complex shapes. Tight as-formed tolerances; can also be machined. Very low thermal expansion. Good wear resistance and hardness. Information provided by M Cubed Technologies, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer_M-Cubed-Technologies-AAC-501-Aluminum-alloy-50-Al₂O₃-Metal-Matrix-Composite.php](http://www.lookpolymers.com/polymer_M-Cubed-Technologies-AAC-501-Aluminum-alloy-50-Al2O3-Metal-Matrix-Composite.php)

Physical Properties	Metric	English	Comments
Density	3.30 g/cc	0.119 lb/in ³	ASTM C135

Mechanical Properties	Metric	English	Comments
Flexural Strength	160 MPa	23200 psi	ASTM C1161

Descriptive Properties	Value	Comments
Matrix	Al Alloy	
Particle Reinforcement	Al ₂ O ₃	
Vol. % Reinforcement	50	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China