

MMCC Cu/Al₂O₃ Particulate Copper Matrix Composite

Category : Ceramic , Oxide , Aluminum Oxide , Metal , Metal Matrix Composite , Nonferrous Metal , Copper Alloy

Material Notes:

Cast, discontinuously reinforced aluminum matrix composite. May be fabricated by vacuum infiltration of the ceramic preform. Data provided by the manufacturer, Metal Matrix Cast Composites (MMCC).

Order this product through the following link:

http://www.lookpolymers.com/polymer_MMCC-CuAl2O3-Particulate-Copper-Matrix-Composite.php

Physical Properties	Metric	English	Comments
Density	6.00 g/cc	0.217 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	400 - 600 MPa	58000 - 87000 psi	
Modulus of Elasticity	220 - 240 GPa	31900 - 34800 ksi	Youngs Modulus

Thermal Properties	Metric	English	Comments
CTE, linear	8.50 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	4.72 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 $\text{Å}^\circ\text{C}$	@Temperature 68.0 $\text{Å}^\circ\text{F}$	
Thermal Conductivity	120 W/m-K	833 BTU-in/hr-ft ² - $\text{Å}^\circ\text{F}$	

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