

COI Ceramics Nextel™ AS-N650 Oxide Ceramic Matrix Composite, Aluminosilicate

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

Material Notes:

Description: Oxide ceramic matrix composites products are based upon sol-gel derived matrices and 3M Corporation's Nextel™ fiber products. These materials can be used up to 1200°C (2200°F) in air environments and are primarily used in both Aerospace and Gas Turbine applications. Ceramic Matrix System: Water Based Sol-Gel Processing, Versatile Matrix Chemistry Typical Applications for Oxide CMCs: Rotocraft Exhaust Systems, Advanced Thermal, Advanced Combustor Information from COI Ceramics, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_COI-Ceramics-Nextel-AS-N650-Oxide-Ceramic-Matrix-Composite-Aluminosilicate.php

Physical Properties	Metric	English	Comments
Density	2.80 g/cc	0.101 lb/in ³	
Porosity	25 %	25 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength	261 MPa	37900 psi	
Tensile Modulus	96.0 GPa	13900 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	8.00 μm/m-°C	4.44 μin/in-°F	
Maximum Service Temperature, Air	1000 °C	1830 °F	

Descriptive Properties	Value	Comments
Nominal Fiber Volume (%)	39	

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