

Aremco AREMCOLOX™ 502-1600 (94%) Machinable Boron Nitride 94%

Category : Ceramic , Machinable Ceramic , Nitride

Material Notes:

Hot-pressed 94% boron nitride. High thermal conductivity. Easily machined. Non-reactive in molten salts, aluminum and other metals.

Plates from 1/4" to 1" thick; rods from 1/4" to 3" diameter; bars from 1/4" x 1/4" to 2"x 2".

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-AREMCOLOX-502-1600-94-Machinable-Boron-Nitride-94.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.90 g/cc	1.90 g/cc	
Porosity	11 %	11 %	

Mechanical Properties	Metric	English	Comments
Flexural Strength	51.7 MPa	7500 psi	
Compressive Strength	68.9 MPa	10000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	3.96 $\mu\text{m}/\text{m}\cdot\text{°C}$	2.20 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	55.00 W/m-K	381.7 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Inert	1150 °C	2100 °F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.1	4.1	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	52.8 kV/mm	1340 kV/in	
Dissipation Factor	<= 0.00020	<= 0.00020	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

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