

Aremco AREMCOLOX™ 502-1600 (99%) Machinable Boron Nitride 99%

Category : Ceramic , Machinable Ceramic , Nitride

Material Notes:

Hot-pressed high purity 99% 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-502-1600-99-Machinable-Boron-Nitride-99.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.70 g/cc	1.70 g/cc	
Porosity	22 %	22 %	

Mechanical Properties	Metric	English	Comments
Flexural Strength	19.3 MPa	2800 psi	
Compressive Strength	33.1 MPa	4800 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	0.360 µm/m-°C	0.200 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	22.00 W/m-K	152.7 BTU-in/hr-ft²-°F	
Maximum Service Temperature, Inert	3000 °C	5430 °F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.8	3.8	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	34.1 kV/mm	865 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