

Aremco AREMCOLOX™ 502-1800 Machinable Aluminum Nitride

Category : Ceramic , Machinable Ceramic , Nitride

Material Notes:

Hot-pressed boron nitride – aluminum nitride composite that demonstrates high thermal conductivity, dielectric strength, and abrasion resistance. Readily machined and available in rods from 1/4" to 1" diameter x 12" long and plates from 1/4" to 1" thick by 5" x 5".

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-AREMCOLOX-502-1800-Machinable-Aluminum-Nitride.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|----------|
| Specific Gravity | 2.43 g/cc | 2.43 g/cc | |
| Porosity | 9.0 % | 9.0 % | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|---------|-----------|----------|
| Flexural Strength | 125 MPa | 18200 psi | |

| Thermal Properties | Metric | English | Comments |
|------------------------------------|---|---|----------|
| CTE, linear | 5.58 $\mu\text{m}/\text{m}\cdot\text{°C}$ | 3.10 $\mu\text{in}/\text{in}\cdot\text{°F}$ | |
| Thermal Conductivity | 40.0 W/m-K | 278 BTU-in/hr-ft ² -°F | |
| Maximum Service Temperature, Air | 649 °C | 1200 °F | |
| Maximum Service Temperature, Inert | 1200 °C | 2200 °F | |

| Electrical Properties | Metric | English | Comments |
|-----------------------|-----------------------|-----------------------|----------|
| Dielectric Constant | 6.4 | 6.4 | |
| | @Frequency 1.00e+6 Hz | @Frequency 1.00e+6 Hz | |
| Dielectric Strength | 42.9 kV/mm | 1090 kV/in | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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