

Sapco Aluminum Nitride

Category : Ceramic , Nitride

Material Notes:

Information provided by Sapco.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sapco-Aluminum-Nitride.php

Physical Properties	Metric	English	Comments
Density	3.26 g/cc	0.118 lb/in ³	
Open Porosity	0.00 %	0.00 %	

Mechanical Properties	Metric	English	Comments
Modulus of Elasticity	308 GPa	44700 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	3.90 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ @Temperature 20.0 $\text{Å}^\circ\text{C}$	2.17 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ @Temperature 68.0 $\text{Å}^\circ\text{F}$	
Thermal Conductivity	180 W/m-K	1250 BTU-in/hr-ft ² - $\text{Å}^\circ\text{F}$	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	
Dielectric Constant	8.9 @Frequency 1e+6 Hz	8.9 @Frequency 1e+6 Hz	
Dielectric Strength	10.0 kV/mm	254 kV/in	AC

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