

Ceradyne Ceralloy® 1370-1E Aluminum Nitride

Category : Ceramic , Nitride

Material Notes:

Features:standard grade Applications:semiconductor componentsInformation provided by Ceradyne Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ceradyne-Ceralloy-1370-1E-Aluminum-Nitride.php

Physical Properties	Metric	English	Comments
Density	3.26 g/cc	0.118 lb/in ³	
Weibull Modulus	10	10	

Mechanical Properties	Metric	English	Comments
Vickers Microhardness	1100	1100	
Modulus of Elasticity	320 GPa	46400 ksi	
Flexural Strength	330 MPa @Temperature 23.0 °C	47900 psi @Temperature 73.4 °F	
Poissons Ratio	0.22	0.22	
Fracture Toughness	2.50 MPa-m ^{1/2}	2.28 ksi-in ^{1/2}	
Shear Modulus	131 GPa	19000 ksi	calculated

Thermal Properties	Metric	English	Comments
CTE, linear	4.90 µm/m-°C @Temperature 20.0 - 1000 °C	2.72 µin/in-°F @Temperature 68.0 - 1830 °F	
Thermal Conductivity	80.0 W/m-K	555 BTU-in/hr-ft ² -°F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	
Dielectric Constant	8.9	8.9	

Descriptive Properties	Value	Comments
Grain Size, microns	4	
Purity, %	99.8	

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