

Misumi Alumina 99 Aluminum Oxide, Al2O3

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Information provided by MISUMI Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Misumi-Alumina-99-Aluminum-Oxide-Al2O3.php

Physical Properties	Metric	English	Comments
Density	3.90 g/cc	0.141 lb/in ³	
Water Absorption	0.000 %	0.000 %	

Mechanical Properties	Metric	English	Comments
Flexural Strength	340 MPa	49300 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	7.50 Åµm/m-Å°C	4.17 Åµin/in-Å°F	
	@Temperature 20.0 - 600 Å°C	@Temperature 68.0 - 1110 Å°F	
	9.90 Åµm/m-Å°C	5.50 Åµin/in-Å°F	
	@Temperature 20.0 - 800 Å°C	@Temperature 68.0 - 1470 Å°F	
Thermal Conductivity	30.0 W/m-K	208 BTU-in/hr-ftÅ²-Å°F	
Melting Point	2200 Å°C	3990 Å°F	
Maximum Service Temperature, Air	1500 Å°C	2730 Å°F	

Component Elements Properties	Metric	English	Comments
Al2O3	99.7 %	99.7 %	

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	
Dielectric Constant	10.0	10.0	
Dielectric Strength	>= 10.0 kV/mm	>= 254 kV/in	

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