

Tokuyama Shapal™ SH-15 Sintered Aluminum Nitride

Category : Ceramic , Nitride

Material Notes:

Uniform, large sized pressed sintered aluminum nitride.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tokuyama-Shapal-SH-15-Sintered-Aluminum-Nitride.php

Physical Properties	Metric	English	Comments
Density	3.33 g/cc	0.120 lb/in ³	

Mechanical Properties	Metric	English	Comments
Modulus of Elasticity	322 GPa	46700 ksi	
Flexural Strength	357 MPa	51800 psi	
Poissons Ratio	0.24	0.24	
Shear Modulus	130 GPa	18900 ksi	Calculated

Thermal Properties	Metric	English	Comments
CTE, linear	4.30 µm/m-°C	2.39 µin/in-°F	
Thermal Conductivity	159 W/m-K	1100 BTU-in/hr-ft ² -°F	
	@Temperature 70.0 °C	@Temperature 158 °F	
	184 W/m-K	1280 BTU-in/hr-ft ² -°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.01e+16 ohm-cm	1.01e+16 ohm-cm	
Dielectric Constant	9.1	9.1	
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dielectric Strength	31.3 kV/mm	795 kV/in	
Dissipation Factor	0.00030	0.00030	
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	

Descriptive Properties	Value	Comments
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Purity Descriptive Properties	> 94.0 (Al + N)	Comments
	Value	
	> 94.8 (Al + N + O)	

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