

Zircar Ceramics AL-25/1700 Alumina Insulation

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

AL-25/1700 is a rigid medium duty grade of alumina fiber board. Not as strong as SALI but capable of delivering years of service. Information provided by Zircar Ceramics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zircar-Ceramics-AL-251700-Alumina-Insulation.php

Physical Properties	Metric	English	Comments
Density	0.440 g/cc	0.0159 lb/in ³	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00138 GPa	0.200 ksi	Parallel to Thickness
Compressive Yield Strength	0.241 MPa	35.0 psi	at 2% Consolidation, Parallel to Thickness

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.110 W/m-K	0.763 BTU-in/hr-ft ² -°F	parallel to thickness; ASTM C177-76
	@Temperature 400 °C	@Temperature 752 °F	
	0.160 W/m-K	1.11 BTU-in/hr-ft ² -°F	
	@Temperature 800 °C	@Temperature 1470 °F	
0.220 W/m-K	1.53 BTU-in/hr-ft ² -°F		
@Temperature 1100 °C	@Temperature 2010 °F		
	0.270 W/m-K	1.87 BTU-in/hr-ft ² -°F	Parallel to Thickness; ASTM C177-76
	@Temperature 1650 °C	@Temperature 3000 °F	
Maximum Service Temperature, Air	1700 °C	3090 °F	Continuous
Shrinkage	0.750 %	0.750 %	Length & Width
	@Temperature 1700 °C, Time 86400 sec	@Temperature 3090 °F, Time 24.0 hour	
	3.00 %	3.00 %	Thickness
	@Temperature 1700 °C, Time 86400 sec	@Temperature 3090 °F, Time 24.0 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	80 %	80 %	

Component Elements Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Dielectric Loss Index	0.010 @Frequency 2.45e+9 Hz, Temperature 1400 °C	0.010 @Frequency 2.45e+9 Hz, Temperature 2550 °F	In Microwave

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