

Zircar Ceramics SALI Moldable Alumina Insulation

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

A close cousin to premium grade Type SALI insulation, SALI Moldable is a thick doughy material readily shaped into complex forms using molds & hand building techniques or applied to surfaces. When dried and fired, parts made of it are useful to 1700 °C (3092°F). Information provided by Zircar Ceramics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zircar-Ceramics-SALI-Moldable-Alumina-Insulation.php

Physical Properties	Metric	English	Comments
Bulk Density	0.400 - 0.480 g/cc	0.0145 - 0.0173 lb/in ³	Dried
Density	0.960 g/cc	0.0347 lb/in ³	Placing Density
Solids Content	>= 42 %	>= 42 %	
pH	6.5 - 7.0	6.5 - 7.0	

Thermal Properties	Metric	English	Comments
Melting Point	1927 °C	3501 °F	
Maximum Service Temperature, Air	1700 °C	3090 °F	
Shrinkage	<= 20 %	<= 20 %	Drying: Volume
	<= 3.00 % @Temperature 1700 °C, Time 86400 sec	<= 3.00 % @Temperature 3090 °F, Time 24.0 hour	Perpendicular to Thickness

Component Elements Properties	Metric	English	Comments
Al2O3	80 %	80 %	
Na2O	<= 0.10 %	<= 0.10 %	
SiO2	20 %	20 %	

Descriptive Properties	Value	Comments
Color	White	

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