

Zircar Ceramics AX Moldable Alumina-Silica Insulation

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

AX Moldable is a sticky fiber rich paste useful to obtain a hard surface coating, bond alumina-silica fiber based insulation products to themselves and to form complex shapes for use to 1260°C (2300°F). Information provided by Zircar Ceramics.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Bulk Density	0.800 g/cc	0.0289 lb/in ³	Dry Density
Density	1.36 g/cc	0.0491 lb/in ³	Wet Density
Solids Content	55 %	55 %	
Loss On Ignition	5.0 %	5.0 %	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00276 GPa	0.400 ksi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0820 W/m-K	0.569 BTU-in/hr-ft ² -°F	
	@Temperature 204 °C	@Temperature 399 °F	
	0.137 W/m-K	0.951 BTU-in/hr-ft ² -°F	
	@Temperature 427 °C	@Temperature 801 °F	
	0.185 W/m-K	1.28 BTU-in/hr-ft ² -°F	
	@Temperature 649 °C	@Temperature 1200 °F	
	0.221 W/m-K	1.53 BTU-in/hr-ft ² -°F	
	@Temperature 871 °C	@Temperature 1600 °F	
Maximum Service Temperature, Air	1260 °C	2300 °F	
Shrinkage	4.00 %	4.00 %	
	@Temperature 1093 °C, Time 86400 sec	@Temperature 1999 °F, Time 24.0 hour	

Descriptive Properties	Value	Comments
Color	White	

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