

Zircar Ceramics APA-2 Alumina Paper

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

ZIRCAR Alumina Papers are uniform structures made principally of alumina fiber. APA-2 is a flexible un-bonded sheet that contains no organic binder. Applications include thermal insulation in low mass furnaces and thermal process systems operating to 1650°C (3002°F) high temperature gaskets and seals, separator in multifoil vacuum furnace insulation systems, expansion joint insulation, backup thermal insulation in molten metal troughs, furnaces and thermal process systems operating to high temperatures, and parting agent and barrier layer in brazing, heat-treating and metal forming processes. Information provided by Zircar Ceramics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zircar-Ceramics-APA-2-Alumina-Paper.php

Physical Properties	Metric	English	Comments
Density	0.150 g/cc	0.00542 lb/in ³	at 0.06 MPa
Thickness	1270 microns	50.0 mil	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.100 W/m-K	0.694 BTU-in/hr-ft ² -°F	
	@Temperature 538 °C	@Temperature 1000 °F	
	0.260 W/m-K	1.80 BTU-in/hr-ft ² -°F	
	@Temperature 1370 °C	@Temperature 2500 °F	
Maximum Service Temperature, Air	1650 °C	3000 °F	

Component Elements Properties	Metric	English	Comments
Al2O3	86 %	86 %	
Other	4.0 %	4.0 %	Other oxides
SiO2	10 %	10 %	

Descriptive Properties	Value	Comments
Color	White	
Form	Flexible	
Type of Binder	None	
Weight	138 g/m ²	

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