

Zircar Ceramics APA-3 Alumina Paper

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

ZIRCAR Alumina Papers are uniform structures made principally of alumina fiber. APA-3 is a thin uniformly rigidized sheet of alumina fiber and 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-3-Alumina-Paper.php

Physical Properties	Metric	English	Comments
Density	0.700 g/cc	0.0253 lb/in ³	at 0.06 MPa
Thickness	305 microns	12.0 mil	at 0 pressure
	305 microns	12.0 mil	at 0.06 MPa

Mechanical Properties	Metric	English	Comments
Tear Strength	1.40 kN/m	8.00 pli	Parallel to Thickness, width

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.190 W/m-K	1.32 BTU-in/hr-ft ² -°F	
	@Temperature 538 °C	@Temperature 1000 °F	
	0.340 W/m-K	2.36 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	96 %	96 %	
SiO2	4.0 %	4.0 %	

Descriptive Properties	Value	Comments
Color	White	
Form	Rigid	
Type of Binder	Alumina	

Descriptive Properties	Value g/m ²	Comments
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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