

Zircar Refractory Composites ASPA-970 Alumina-Silica Fiber Paper

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

ASPA-970 is an industrial grade, lightweight refractory material made from alumina-silica fibers formed into highly flexible sheets. This alumina-silica fiber paper exhibits very low thermal conductivity and is designed for use in applications where flexibility, high strength and resistance to heat are of paramount. Type ASPA-970 is ideal for applications up to 1260°C (2300°F). Information provided by ZIRCAR Refractory Composites, Inc. (ZRCI)

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zircar-Refractory-Composites-ASPA-970-Alumina-Silica-Fiber-Paper.php

Physical Properties	Metric	English	Comments
Density	0.160 g/cc	0.00578 lb/in ³	
Loss On Ignition	5.0 %	5.0 %	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0600 W/m-K	0.416 BTU-in/hr-ft ² -°F	
	@Temperature 500 °C	@Temperature 932 °F	
	0.120 W/m-K	0.833 BTU-in/hr-ft ² -°F	
	@Temperature 800 °C	@Temperature 1470 °F	
	0.140 W/m-K	0.972 BTU-in/hr-ft ² -°F	
	@Temperature 871 °C	@Temperature 1600 °F	
	0.170 W/m-K	1.18 BTU-in/hr-ft ² -°F	
	@Temperature 1100 °C	@Temperature 2010 °F	
Melting Point	1760 °C	3200 °F	
Maximum Service Temperature, Air	1260 °C	2300 °F	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	49 %	49 %	
Other	1.0 %	1.0 %	
SiO ₂	50 %	50 %	

Descriptive Properties	Value	Comments
Color	White	

Fiber Index % Descriptive Properties		70 Value	Comments
Mullen Burst, psi		25	
Tensile Strength, g/in		5100	
Type of Binder		Organic	

Contact Songhan Plastic Technology Co.,Ltd.

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