

## Zircar Refractory Composites ASPA-880 Alumina-Silica Fiber Paper

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

ASPA-880 is a high temperature, lightweight refractory material made from alumina-silica fibers formed into highly flexible sheets. It is made from shorter and smaller diameter fibers with a higher alumina content and are laid up at significantly higher density. These factors lead to high temperature, slow shrinkage, higher strength, and better chemical resistivity. This alumina-silica fiber paper exhibit very low thermal conductivity and is designed for use in applications where flexibility, high strength and resistance to heat are paramount. Type ASPA-880 exhibits low thermal conductivity and is ideal for applications up to 1450°C (2642°F). It is used in environments where standard ceramic fiber papers will not survive. Information provided by ZIRCAR Refractory Composites, Inc. (ZRCI)

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Zircar-Refractory-Composites-ASPA-880-Alumina-Silica-Fiber-Paper.php](http://www.lookpolymers.com/polymer_Zircar-Refractory-Composites-ASPA-880-Alumina-Silica-Fiber-Paper.php)

Physical Properties	Metric	English	Comments
Density	0.280 g/cc	0.0101 lb/in <sup>3</sup>	
Loss On Ignition	8.0 %	8.0 %	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0800 W/m-K	0.555 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 500 °C	@Temperature 932 °F	
	0.120 W/m-K	0.833 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 800 °C	@Temperature 1470 °F	
	0.140 W/m-K	0.972 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 871 °C	@Temperature 1600 °F	
	0.160 W/m-K	1.11 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 1100 °C	@Temperature 2010 °F	
Melting Point	1930 °C	3510 °F	
Maximum Service Temperature, Air	1450 °C	2640 °F	

Component Elements Properties	Metric	English	Comments
Al2O3	55 %	55 %	
Other	1.0 %	1.0 %	
SiO2	44 %	44 %	

Descriptive Properties	Value	Comments
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Descriptive Properties	Value	Comments
Fiber Index, %	45	
Mullen Burst, psi	37	
Tensile Strength, g/in	6500	
Type of Binder	Organic	

## Contact Songhan Plastic Technology Co.,Ltd.

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