

Zircar Ceramics ASB-2300 Alumina-Silica Blanket

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Useful to temperatures of 1260°C this mechanically needled ceramic fiber blanket is available in a variety of thickness' and densities.

Information provided by Zircar Ceramics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zircar-Ceramics-ASB-2300-Alumina-Silica-Blanket.php

Physical Properties	Metric	English	Comments
Density	2.64 g/cc	0.0954 lb/in ³	
Filament Diameter	8.0 µm	8.0 µm	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0500 W/m-K	0.347 BTU-in/hr-ft ² -°F	8 pcf blanket (Parallel to Thickness)
	@Temperature 260 °C	@Temperature 500 °F	
	0.110 W/m-K	0.763 BTU-in/hr-ft ² -°F	8 pcf blanket (Parallel to thickness)
	@Temperature 538 °C	@Temperature 1000 °F	
	0.180 W/m-K	1.25 BTU-in/hr-ft ² -°F	8 pcf blanket (Parallel to thickness)
	@Temperature 816 °C	@Temperature 1500 °F	
	0.290 W/m-K	2.01 BTU-in/hr-ft ² -°F	8 pcf blanket (Parallel to Thickness)
	@Temperature 1093 °C	@Temperature 1999 °F	
Maximum Service Temperature, Air	1260 °C	2300 °F	
Shrinkage	1.20 %	1.20 %	8 pcf blanket (Perpendicular to Thickness)
	@Temperature 982 °C, Time 90000 sec	@Temperature 1800 °F, Time 25.0 hour	
	1.90 %	1.90 %	
	@Temperature 1093 °C, Time 90000 sec	@Temperature 1999 °F, Time 25.0 hour	
	3.30 %	3.30 %	8 pcf blanket (Perpendicular to Thickness)
	@Temperature 1260 °C, Time 90000 sec	@Temperature 2300 °F, Time 25.0 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	>= 47 %	>= 47 %	

SiO2	49 %	49 %	
Component Elements Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Color		White	
Fiber Length		3-5 in	

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