

Zircar Ceramics ASB-2600 Alumina-Silica Blanket

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Useful to temperatures of 1400°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-2600-Alumina-Silica-Blanket.php

Physical Properties	Metric	English	Comments
Density	2.76 g/cc	0.0997 lb/in ³	
Filament Diameter	6.0 μm	6.0 μm	

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	1.17 J/g-°C	0.280 BTU/lb-°F	
	@Temperature 1100 °C	@Temperature 2010 °F	
Thermal Conductivity	0.0159 W/m-K	0.110 BTU-in/hr-ft ² -°F	8 pcf blanket (Parallel to Thickness)
	@Temperature 538 °C	@Temperature 1000 °F	
	0.0259 W/m-K	0.180 BTU-in/hr-ft ² -°F	8 pcf blanket (Parallel to Thickness)
	@Temperature 816 °C	@Temperature 1500 °F	
	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	
Maximum Service Temperature, Air	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	
Shrinkage	2.10 %	2.10 %	8 pcf blanket (Perpendicular to Thickness)
	@Temperature 1260 °C, Time 90000 sec	@Temperature 2300 °F, Time 25.0 hour	
	2.60 %	2.60 %	
	@Temperature 1315 °C, Time 90000 sec	@Temperature 2399 °F, Time 25.0 hour	
	5.10 %	5.10 %	8 pcf blanket (Perpendicular to Thickness)
	@Temperature 1426 °C, Time 90000 sec	@Temperature 2599 °F, Time 25.0 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	>= 51 %	>= 51 %	
Other	<= 2.0 %	<= 2.0 %	
SiO2	47 %	47 %	

Descriptive Properties	Value	Comments
Color	White	
Fiber Length	4-7 in	

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