

Zircar Zirconia Buster Blanket Alumina Blanket Insulation

Category : Ceramic , Machinable Ceramic , Oxide , Aluminum Oxide

Material Notes:

Buster Blanket and Buster Mat are flexible, Hi-Alpha alumina fiber insulation materials. The mat is 100% fibers while the blanket has been needled into a durable blanket with the addition of an organic fiber reinforcement. Both forms have useful properties up to 1600°C. These polycrystalline fiber blankets offer higher temperature capability, less shrinkage and greater chemical resistance than standard alumina-silica blankets. Buster Blanket is made by needling the Buster Mat with an organic fiber reinforcement. This additional processing results in a much denser, stronger and more durable flexible insulation. It is offered in both 1/2" and 1" standard thicknesses. Flexible Buster products are useful as insulation packing in furnace spaces, around furnace sight tubes & ports and as filler in expansion joints and masonry cracks. Features: Available in Two Different Forms Low Thermal Conductivity Highly Refractory Non-RCF Fibers Low Shrinkage up to 1500°C 97% Pure Alumina Available "Off the Shelf" Information provided by Zircar Zirconia.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zircar-Zirconia-Buster-Blanket-Alumina-Blanket-Insulation.php

Physical Properties	Metric	English	Comments
Bulk Density	0.0960 g/cc	0.00347 lb/in ³	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.315 W/m-K	2.19 BTU-in/hr-ft ² -°F	
	@Temperature 1200 °C	@Temperature 2190 °F	
	0.395 W/m-K	2.74 BTU-in/hr-ft ² -°F	
	@Temperature 1400 °C	@Temperature 2550 °F	
	0.476 W/m-K	3.30 BTU-in/hr-ft ² -°F	
	@Temperature 1600 °C	@Temperature 2910 °F	
Melting Point	2038 °C	3700 °F	
Maximum Service Temperature, Air	1600 °C	2910 °F	
Shrinkage	<= 4.00 %	<= 4.00 %	
	@Temperature 1500 °C, Time 21600 sec	@Temperature 2730 °F, Time 6.00 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	97 %	97 %	
SiO2	3.0 %	3.0 %	

Descriptive Properties	Value	Comments
------------------------	-------	----------

Trace Inorganics Descriptive Properties	Value	Comments
Trace Inorganics	<3%	

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