

Zircar Ceramics ALBF Alumina Bulk Fiber

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Alumina Bulk Fiber Type ALBF consists of long aluminum oxide fibers suited for the vacuum forming of low density shapes. The high alpha alumina content and addition of a grain growth inhibitor give it extreme stability with useful properties to 1800°C (3272°F). Information provided by Zircar Ceramics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zircar-Ceramics-ALBF-Alumina-Bulk-Fiber.php

Physical Properties	Metric	English	Comments
Bulk Density	0.0800 g/cc	0.00289 lb/in ³	
	0.100 - 0.190 g/cc	0.00361 - 0.00686 lb/in ³	Packed Density
Density	4.00 g/cc	0.145 lb/in ³	Fiber Density
Filament Diameter	2.85 µm	2.85 µm	Mean Fiber Diameter

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	1.05 J/g-°C	0.250 BTU/lb-°F	
Thermal Conductivity	0.0500 W/m-K	0.347 BTU-in/hr-ft ² -°F	
	@Temperature 0.000 °C	@Temperature 32.0 °F	
	0.450 W/m-K	3.12 BTU-in/hr-ft ² -°F	
	@Temperature 1600 °C	@Temperature 2910 °F	
Melting Point	2038 °C	3700 °F	
Maximum Service Temperature, Air	1700 °C	3090 °F	
Shrinkage	2.00 %	2.00 %	
	@Temperature 1538 °C, Time 3600 sec	@Temperature 2800 °F, Time 1.00 hour	
	4.00 %	4.00 %	
	@Temperature 1650 °C, Time 3600 sec	@Temperature 3000 °F, Time 1.00 hour	

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

Descriptive Properties	Value	Comments
Alpha Alumina	Min 50 wt. %	
Color	White	
Fiber Length	5-10 cm	
Shot content	Nil	

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