

Zircar Ceramics Alumina Furnaceware

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

ZIRCAR Ceramics Alumina Furnaceware are high purity fully dense, fine grain aluminum oxide products suitable for use in applications with temperatures as high as 1800°C. Such uses include crucibles for crystal growth or glass melting, process tubes, and inert high temperature supports and fixturing. Available as crucibles, tubes, rods, and special geometries. Information provided by Zircar Ceramics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zircar-Ceramics-Alumina-Furnaceware.php

Physical Properties	Metric	English	Comments
Bulk Density	3.91 g/cc	0.141 lb/in ³	
Open Porosity	0.00 %	0.00 %	

Mechanical Properties	Metric	English	Comments
Flexural Strength	380 MPa	55100 psi	
	165 MPa	23900 psi	
	@Temperature 1000 °C	@Temperature 1830 °F	
Compressive Strength	3650 MPa	529000 psi	
	@Temperature 20.0 °C	@Temperature 68.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	8.40 µm/m-°C	4.67 µin/in-°F	
	@Temperature 20.0 - 1000 °C	@Temperature 68.0 - 1830 °F	
Thermal Conductivity	8.20 W/m-K	56.9 BTU-in/hr-ft ² -°F	
	@Temperature 800 °C	@Temperature 1470 °F	
	36.0 W/m-K	250 BTU-in/hr-ft ² -°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Maximum Service Temperature, Air	1800 °C	3270 °F	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	99.82 %	99.82 %	
B ₂ O ₃	0.0010 %	0.0010 %	
CaO	0.040 %	0.040 %	

Component Elements Properties	Metric	English	Comments
Fe2O3	0.025 %	0.025 %	
K2O	0.0010 %	0.0010 %	
MgO	0.035 %	0.035 %	
Na2O	0.0080 %	0.0080 %	
SiO2	0.060 %	0.060 %	
TiO2	0.0040 %	0.0040 %	

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