

Pyrotek Pyrocast ALF2 Low Cement Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Pyrocast ALF2 is a low cement castable with mullite base. It is suited for applications requiring high strength at elevated temperatures and abrasion resistance. Applications Aluminum melting and holding furnace linings Ladles Launderers Degassing boxes De-mag boxes
Advantages Outstanding hot strength High abrasion resistance Resistant to molten aluminum attack Information provided by Pyrotek.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pyrotek-Pyrocast-ALF2-Low-Cement-Refractory-Castable.php

Physical Properties	Metric	English	Comments
Density	2.595 g/cc	0.09375 lb/in ³	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.0441 GPa	6.40 ksi	Hot
	@Temperature 816 °C	@Temperature 1500 °F	
	0.0200 GPa	2.90 ksi	fired and cooled
	@Treatment Temp. 110 °C	@Treatment Temp. 230 °F	
	0.0300 GPa	4.35 ksi	fired and cooled
	@Treatment Temp. 954 °C	@Treatment Temp. 1750 °F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.56 W/m-K	10.8 BTU-in/hr-ft ² -°F	
	@Temperature 260 °C	@Temperature 500 °F	
	1.59 W/m-K	11.0 BTU-in/hr-ft ² -°F	
	@Temperature 538 °C	@Temperature 1000 °F	
	1.69 W/m-K	11.7 BTU-in/hr-ft ² -°F	
	@Temperature 816 °C	@Temperature 1500 °F	
	1.83 W/m-K	12.7 BTU-in/hr-ft ² -°F	
	@Temperature 1093 °C	@Temperature 1999 °F	
Maximum Service Temperature, Air	1704 °C	3099 °F	
Shrinkage	0.100 %	0.100 %	Linear
	@Temperature 954 °C	@Temperature 1750 °F	

Component Elements Properties	Metric	English	Comments
Al2O3	61.34 %	61.34 %	
Alkalis	0.22 %	0.22 %	
CaO	1.92 %	1.92 %	
Fe2O3	0.98 %	0.98 %	
MgO	0.11 %	0.11 %	
SiO2	32.86 %	32.86 %	
TiO2	1.43 %	1.43 %	

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