

## Pyrotek Pyrocast AL2 Abrasion-Resistant Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

Pyrocast AL2 refractory castable is a mullite-based refractory well suited for applications prone to erosion and abrasion. It exhibits excellent non-wetting properties when used in molten aluminum contact areas. Applications Aluminum Degassing Equipment Aluminum Melting Equipment Aluminum Holding Equipment Transfer Crucibles and Ladles Advantages Exceptional hot strength Excellent abrasion resistance Non-wetting to molten aluminum Information provided by Pyrotek.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Pyrotek-Pyrocast-AL2-Abrasion-Resistant-Refractory-Castable.php](http://www.lookpolymers.com/polymer_Pyrotek-Pyrocast-AL2-Abrasion-Resistant-Refractory-Castable.php)

Physical Properties	Metric	English	Comments
Density	2.565 g/cc	0.09267 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.0275 - 0.0310 GPa @Temperature 815 °C	3.99 - 4.50 ksi @Temperature 1500 °F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.59 W/m-K @Temperature 538 °C	11.0 BTU-in/hr-ft <sup>2</sup> -°F @Temperature 1000 °F	
	1.69 W/m-K @Temperature 815 °C	11.7 BTU-in/hr-ft <sup>2</sup> -°F @Temperature 1500 °F	
	1.83 W/m-K @Temperature 1093 °C	12.7 BTU-in/hr-ft <sup>2</sup> -°F @Temperature 1999 °F	
Maximum Service Temperature, Air	1650 °C	3000 °F	
Shrinkage	0.200 % @Temperature 955 °C	0.200 % @Temperature 1750 °F	Linear

Component Elements Properties	Metric	English	Comments
Al2O3	60.4 %	60.4 %	
CaO	2.2 %	2.2 %	
Other	6.7 %	6.7 %	
SiO2	30.7 %	30.7 %	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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