

Pyrotek Pyrocast XL Small Component Refractory

Category : Ceramic , Oxide , Silicon Oxide

Material Notes:

Applications Thimbles Transition plates Down Spouts Control Pins Auto pour Ladles Strip Casting Nozzles Advantages Thermal shock resistance High erosion resistance High service temperature Smooth cast surface Dimensionally stable Preheating unnecessary Easily cleaned Non-wetting Information provided by Pyrotek.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pyrotek-Pyrocast-XL-Small-Component-Refractory.php

Physical Properties	Metric	English	Comments
Density	1.90 - 1.95 g/cc	0.0686 - 0.0704 lb/in ³	
Open Porosity	22 - 23 %	22 - 23 %	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.0140 GPa	2.03 ksi	
	@Treatment Temp. 725 °C	@Treatment Temp. 1340 °F	
Compressive Strength	55.0 MPa	7980 psi	cured at 725°C

Thermal Properties	Metric	English	Comments
CTE, linear	0.820 μm/m-°C	0.456 μin/in-°F	
	@Temperature 200 - 700 °C	@Temperature 392 - 1290 °F	
Thermal Conductivity	0.860 W/m-K	5.97 BTU-in/hr-ft ² -°F	
	@Temperature 460 °C	@Temperature 860 °F	
	0.880 W/m-K	6.11 BTU-in/hr-ft ² -°F	
	@Temperature 610 °C	@Temperature 1130 °F	
	0.930 W/m-K	6.45 BTU-in/hr-ft ² -°F	
	@Temperature 790 °C	@Temperature 1450 °F	
Maximum Service Temperature, Air	1000 °C	1830 °F	
Shrinkage	-0.0770 %	-0.0770 %	Linear
	@Temperature 700 °C	@Temperature 1290 °F	

Component Elements Properties	Metric	English	Comments
Al2O3	36.7 %	36.7 %	

Component Elements Properties C%O	Metric Wt%	English Wt%	Comments
Other	3.0 %	3.0 %	
SiO2	54 %	54 %	

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