

Pyrotek Pyrocast PT-60 Castable Refractory

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Pyrocast PT-60 is a ceramic fiber based insulating castable with very low thermal conductivity and excellent resistance to thermal shock. Applications: Launder linings, Distributor pan linings, Ladle linings. Advantages: In situ casting, Excellent insulation characteristics. Does not require pre-heating. Information provided by Pyrotek.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pyrotek-Pyrocast-PT-60-Castable-Refractory.php

Physical Properties	Metric	English	Comments
Density	0.800 g/cc	0.0289 lb/in ³	oven dried

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.000600 GPa	0.0870 ksi	
Compressive Strength	0.800 MPa	116 psi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.210 W/m-K @Temperature 800 °C	1.46 BTU-in/hr-ft ² -°F @Temperature 1470 °F	
Maximum Service Temperature, Air	1320 °C	2410 °F	
Shrinkage	0.200 % @Temperature 815 °C, Time 18000 sec	0.200 % @Temperature 1500 °F, Time 5.00 hour	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	37 %	37 %	
CaO	14 %	14 %	
Fe ₂ O ₃	4.0 %	4.0 %	
Other	3.0 %	3.0 %	
SiO ₂	41 %	41 %	
TiO ₂	1.0 %	1.0 %	

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