

Pyrotek Pyrocast L-30 Moldable Refractory

Category : Ceramic

Material Notes:

Pyrocast L-30 is a refractory moldable designed for use in contact with molten aluminum. Pyrocast L-30 has excellent workability for use as an insulating lining or patching material and is recommended for thicknesses up to 50 mm (2 in). If applied above 20°C, Pyrocast L-30 adheres well to metal and refractory surfaces. Applications Coatings Linings Refractory patching Sealing compound Collector bar seals Advantages Non-wetting Good adhesion qualities Low shrinkage Low thermal conductivity Information provided by Pyrotek.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pyrotek-Pyrocast-L-30-Moldable-Refractory.php

Physical Properties	Metric	English	Comments
Density	0.640 g/cc	0.0231 lb/in ³	
Solids Content	55 %	55 %	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0800 W/m-K	0.555 BTU-in/hr-ft ² -°F	
	@Temperature 204 °C	@Temperature 399 °F	
	0.160 W/m-K	1.11 BTU-in/hr-ft ² -°F	
	@Temperature 538 °C	@Temperature 1000 °F	
	0.220 W/m-K	1.53 BTU-in/hr-ft ² -°F	
	@Temperature 871 °C	@Temperature 1600 °F	
Maximum Service Temperature, Air	1093 °C	1999 °F	
Shrinkage	2.00 %	2.00 %	linear
	@Temperature 1093 °C, Time 86400 sec	@Temperature 1999 °F, Time 24.0 hour	
	6.00 %	6.00 %	
	@Temperature 1260 °C, Time 86400 sec	@Temperature 2300 °F, Time 24.0 hour	

Descriptive Properties	Value	Comments
Hot Gas Erosion Resistance	Min 61 m/sec	

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