

Pyrotek RFM™ Autopour Ladle Light density refractory composite material

Category : Ceramic

Material Notes:

Applications High pressure die casting Gravity die casting Sand casting Advantages Light weight No pre-heating required Low thermal heat sink Excellent mechanical properties Excellent resistance to erosion Excellent scull release Non-wetted by molten aluminum No iron contamination Low maintenance Reduced holding temperatures Information provided by Pyrotek.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pyrotek-RFM-Autopour-Ladle-Light-density-refractory-composite-material.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.0214 GPa	3.10 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	0.900 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	0.500 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	
	@Temperature 20.0 $^{\circ}\text{C}$	@Temperature 68.0 $^{\circ}\text{F}$	
Thermal Conductivity	0.430 W/m-K	2.98 BTU-in/hr-ft ² - $^{\circ}\text{F}$	
	@Temperature 750 $^{\circ}\text{C}$	@Temperature 1380 $^{\circ}\text{F}$	
Maximum Service Temperature, Air	780 $^{\circ}\text{C}$	1440 $^{\circ}\text{F}$	

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