

Pyrotek Dry Cathode Barrier Material

Category : Ceramic

Material Notes:

In the presence of cryolite, Dri-Barrier Mix is designed to form a viscous layer on its surface which prevents further penetration. The freezing isotherm sustained in Dri-Barrier Mix decreases the attack on the other insulating materials. Applications Firebrick replacement Bedding material Sealant for collector bars Advantages Reduced cryolite consumption Easily installed in any cathode design Non wetting Reduces bottom shell temperature No joints or cracks No curing time No bedding mix required Minimizes chemical attacks on insulating materials beneath mix No steam evolution through the monolithic area Information provided by Pyrotek.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pyrotek-Dry-Cathode-Barrier-Material.php

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.430 W/m-K	2.98 BTU-in/hr-ft ² -°F	
	@Temperature 204 °C	@Temperature 399 °F	
	0.510 W/m-K	3.54 BTU-in/hr-ft ² -°F	
	@Temperature 427 °C	@Temperature 801 °F	
	0.590 W/m-K	4.09 BTU-in/hr-ft ² -°F	
	@Temperature 650 °C	@Temperature 1200 °F	
Shrinkage	0.000 %	0.000 %	Linear
	@Temperature 110 °C	@Temperature 230 °F	

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