

Skamol Group SKAMOBAR 69 Low-Alumina Fireclay Brick

Category : Ceramic , Oxide , Silicon Oxide

Material Notes:

Low-alumina fireclay brick has the following characteristics: Max. service temperature 1100°C (2012°F) For barrier lining of aluminum reduction cells Excellent cryolite resistance Low thermal conductivity Low gas permeability Low porosity Superior resistance to molten aluminum Information provided by Skamol.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Skamol-Group-SKAMOBAR-69-Low-Alumina-Fireclay-Brick.php

Physical Properties	Metric	English	Comments
Bulk Density	2.15 g/cc	0.0775 lb/in ³	EN 993-1 1995
Porosity	16 %	16 %	Apparent; EN 993-1 1995

Mechanical Properties	Metric	English	Comments
Compressive Strength	50.0 MPa	7250 psi	EN 993-5 1998

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.10 W/m-K	7.63 BTU-in/hr-ft ² - °F	Mean temp.; EN 993-15 1998
	@Temperature 200 °C	@Temperature 392 °F	
	1.20 W/m-K	8.33 BTU-in/hr-ft ² - °F	EN 993-15 1998
	@Temperature 600 °C	@Temperature 1110 °F	
	1.30 W/m-K	9.02 BTU-in/hr-ft ² - °F	EN 993-15 199
	@Temperature 900 °C	@Temperature 1650 °F	
Maximum Service Temperature, Air	1100 °C	2010 °F	
Shrinkage	-0.500 %	-0.500 %	ASTM C-372 2001
	@Temperature 20.0 - 850 °C	@Temperature 68.0 - 1560 °F	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	28 %	28 %	
CaO	1.0 %	1.0 %	
Fe ₂ O ₃	1.5 %	1.5 %	

Component Elements Properties	Metric	English	Comments
MgO	0.50 %	0.50 %	
Na2O	1.0 %	1.0 %	
SiO2	68 %	68 %	
TiO2	1.0 %	1.0 %	

Descriptive Properties	Value	Comments
Color	Yellow	
Cryolite Resistance (SINTEF) Dissolved	3.5 cm ²	
Dimensional Tolerances: Dimensions	Â± 2.0mm (Â± 0.08")	
Dimensional Tolerances: Dimensions >200mm %	Â± 0.75%	

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