

Thermal Ceramics TC-26 High Temperature Insulating Firebrick

Category : Ceramic

Material Notes:

The bond developed is a ceramic bond that is formed by high temperature firing. This produces bricks that are very stable and strong at temperatures higher than 2600°F (1427°C). Features: High temperature insulating firebrick with use limits up to 3250°F (1788°C) Excellent strength and thermal stability Low heat storage High purity Excellent thermal conductivity Applications: Atmosphere furnace Forge furnaces Ethylene furnace sidewalls Ceramic kilns High temperature back-up insulation Carbon baking furnaces High temperature kiln linings Removable furnace doors Information provided by Thermal Ceramics Data has not been recently verified. Please contact manufacturer for current information.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Thermal-Ceramics-TC-26-High-Temperature-Insulating-Firebrick.php

Physical Properties	Metric	English	Comments
Density	0.769 g/cc	0.0278 lb/in ³	
Deformation	-0.200 %	-0.200 %	at 10 psi; 1.5 hours at 2200°F

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00138 GPa	0.200 ksi	
Compressive Strength	1.86 MPa	270 psi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.231 W/m-K	1.60 BTU-in/hr-ft ² -°F	ASTM C201
	@Temperature 260 °C	@Temperature 500 °F	
	0.274 W/m-K	1.90 BTU-in/hr-ft ² -°F	ASTM C201
	@Temperature 538 °C	@Temperature 1000 °F	
0.317 W/m-K	2.20 BTU-in/hr-ft ² -°F	ASTM C201	
@Temperature 816 °C	@Temperature 1500 °F		
0.375 W/m-K	2.60 BTU-in/hr-ft ² -°F	ASTM C201	
@Temperature 1090 °C	@Temperature 2000 °F		
Maximum Service Temperature, Air	1430 °C	2600 °F	
Shrinkage	-0.100 %	-0.100 %	
	@Temperature 1400 °C, Time 86400 sec	@Temperature 2550 °F, Time 24.0 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	47 %	47 %	
Alkalis	2.0 %	2.0 %	
CaO	0.30 %	0.30 %	
Fe2O3	0.70 %	0.70 %	
MgO	0.10 %	0.10 %	
SiO2	48.6 %	48.6 %	
TiO2	1.3 %	1.3 %	

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