

Data sheet

Firelite 2600 LI

ENGLISH

Metric information

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Description

A low iron and low lime high purity castable for service up to 1430°C/2600°F. Recommended for controlled atmosphere heat treatment furnaces. This concrete gives excellent results as back up insulation in transfer line and secondary reformers in ammonia production processes.

CHARACTERISTICS	
Bond Type	Hydraulic
Raw Material Base	Insulating Aggregate
Maximum Grain Size (mm)	6
Maximum Service Temperature (°C)	1430
Bulk Density Dried to 110°C (kg/m ³)	1230
Net Material Required (kg/m ³)	1140

PHYSICAL PROPERTIES		
Test Temperature (°C)	Cold Crushing Strength (N/mm ²)	Permanent Linear Change (%)
110	6.3	
0815	4.5	-0.2
1000	4.3	
MST	5.3 (1400)	-0.8 (1200)

TYPICAL CHEMICAL ANALYSIS (%)	
Al ₂ O ₃	58
SiO ₂	31.4
Fe ₂ O ₃	0.7
TiO ₂	0.5
CaO	6.8
Na ₂ O + K ₂ O	1.4

PACKAGING SIZE (kg)	
Bag Weight	30
Pallet Size	1260

THERMAL CONDUCTIVITY ASTM C417		
W/mK		
@ mean temp	200°C	0.28
	400°C	0.31
	600°C	0.34
	800°C	0.36
	1000°C	0.4
	1200°C	

WATER ADDITION	
% by weight	49

The values given herein are typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations.

They are supplied as a technical service and are subject to change without notice.

Therefore the data contained herein should not be used for specification purposes.

Check with your Thermal Ceramics office to obtain current information or a Compliance Data Sheet where guaranteed property specifications are required.

Before using these materials, it is strongly recommended that the installer consults Thermal Ceramics manual "storage and installation manual" copies of which are obtainable from Thermal Ceramics offices or distributors.

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