

Data sheet

Firelite BM

 ENGLISH
 Metric information

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Description

A low iron and low lime insulating castable for service up to 1540°C/2800°F in controlled atmosphere applications. Recommended for casting monolithic shapes and furnace linings where good insulation and light weight are necessary.

CHARACTERISTICS	
Bond Type	Hydraulic
Raw Material Base	Vermiculite/ Insulating Aggregate
Maximum Grain Size (mm)	8
Maximum Service Temperature (°C)	870
Bulk Density Dried to 110°C (kg/m ³)	450
Net Material Required (kg/m ³)	400

PHYSICAL PROPERTIES		
Test Temperature (°C)	Cold Crushing Strength (N/mm ²)	Permanent Linear Change (%)
110	0.6	
815	0.4	-1.2
MST		

TYPICAL CHEMICAL ANALYSIS (%)	
Al ₂ O ₃	24.7
SiO ₂	32.6
Fe ₂ O ₃	7.3
TiO ₂	0.8
CaO	22.7
Na ₂ O + K ₂ O	9.9

PACKAGING SIZE (kg)	
Bag Weight	16
Pallet Size	576

THERMAL CONDUCTIVITY ASTM C417		
W/mK		
@ mean temp		
200°C	0.09	
400°C	0.12	
600°C		
800°C		
1000°C		
1200°C		

WATER ADDITION	
% by weight	
	165

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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