

Snow Shoe Refractories, LLC

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FRANCITE® 70-1

Product Data

Scope:

A 70% high alumina formulated to have good strength and low porosity. It will find use mainly in iron and steel contact applications where resistance to molten metal and slag is needed.

PCE: 38

Chemical Analysis (Wt.% - Calcined Basis)	
SiO ₂	20.2
Al ₂ O ₃	72.9
TiO ₂	3.1
Fe ₂ O ₃	1.4
CaO	0.2
MgO	0.2
Alkalies	0.9
P ₂ O ₅	0.9

Physical Properties				
	English Units		SI Units	
	Average	Standard Deviation	Average	Standard Deviation
Bulk Density	173.0	3.0	2,770	50
	(lbs/ft ³)		(kg/m ³)	
Apparent Porosity (%)	15.0	1.5		
Modulus of Rupture at 68°F (20°C)	1,925	330	13.3	2.3
	(psi)		(MPa)	
Crushing Strength at 68°F (20°C)	8,000 - 11,000		55 - 76	
	(psi)		(MPa)	
Linear Change (%) after 2910°F reheat		+0.5		

The data given above are average results of our common sized products and are subject to variation. One standard deviation is given when adequate data is available. These results should not be used for specification purposes.

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