

Snow Shoe Refractories, LLC

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FRANCO® A

Product Data

Scope:

A 60% high alumina brick formulated to meet Military specification for furnace linings. It will find use primarily in marine boiler applications.

Chemical Analysis (Wt.% - Calcined Basis)	
SiO ₂	36.2
Al ₂ O ₃	59.7
TiO ₂	2.3
Fe ₂ O ₃	1.2
CaO	0.1
MgO	0.1
Alkalies	0.4

Physical Properties				
	English Units		SI Units	
	Average	Standard Deviation	Average	Standard Deviation
Bulk Density	156.5	5.0	2,510	80
	(lbs/ft ³)		(kg/m ³)	
Apparent Porosity (%)	18.0	3.0		
Modulus of Rupture at 68°F (20°C)	1,295	210	8.9	1.4
	(psi)		(MPa)	
Crushing Strength at 68°F (20°C)	5,000 - 7,000		34 - 48	
	(psi)		(MPa)	
Linear Change (%) after 2910°F (1600°C) reheat		+ 2.5		

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.