## **Snow Shoe Refractories, LLC**

FRANCITE ® 70

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## **Product Data**

## Scope:

A 70% high alumina brick designed for a wide variety of iron and steel applications. It will find use in iron and steel ladles, electric arc furnace roofs, furnace linings, cement and lime kilns, phosphate furnaces, boilers, and many other applications.

**PCE:** 38

Chemical Analysis	(Wt.% - Calcined Basis)
$SiO_2$	24.1
$Al_2O_3$	69.9
TiO <sub>2</sub>	3.2
$Fe_2O_3$	1.5
CaO	0.2
MgO	0.2
Alkalies	0.9

Physical Properties					
	English Units Standard Average Deviation		<u>SI U</u> <u>Average</u>	SI Units Standard Average Deviation	
Bulk Density	(lbs	3.0	2,590 (kg/s	m <sup>3</sup> ) 50	
Apparent Porosity (%)	18.5	1.5			
Modulus of Rupture at 68°F (20°C)	1,420 (p	si) 225	9.8 (MI	Pa) 1.5	
Crushing Strength at 68°F (20°C)	(psi) 7,500 - 10,500		(MPa) 52 - 72		
Linear Change (%) after 2910°F reheat		+4.	.1		
Hot Load Deformation (%) 25 psi load at 2640°F (1600°C)		-0.	8		