

Snow Shoe Refractories, LLC

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PR-45

Product Data

Scope:

A premium super duty, fireclay anchor designed for severe super duty refractory applications. It will find applications in boilers, cement and lime kilns, reheat furnace, non-ferrous furnaces, and in a wide variety of other applications.

Chemical Analysis (Wt.% - Calcined Basis)	
SiO ₂	50.1
Al ₂ O ₃	44.3
TiO ₂	1.7
Fe ₂ O ₃	1.3
CaO	0.1
MgO	0.3
Alkalies	1.1
P ₂ O ₅	1.1

PCE: 33

Physical Properties				
	<u>English Units</u>		<u>SI Units</u>	
	<u>Average</u>	<u>Standard Deviation</u>	<u>Average</u>	<u>Standard Deviation</u>
		(lbs/ft ³)		(kg/m ³)
Bulk Density	146.6	1.9	2,350	30
Apparent Porosity (%)	14.3	1.2		
		Minimum		Minimum
Tensile Strength*		(psi)		(MPa)
at 68°F (20°C)		1,000		6.9

*-force required to fail anchor under tensile load

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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