

Snow Shoe Refractories, LLC

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PR-85

Product Data

Scope:

A premium 85% alumina brick anchor exhibiting excellent strength and good alkali and slag resistance. It will find use in induction furnaces, reheat furnaces, aluminum furnaces, rotary kilns, and a variety of other applications.

Chemical Analysis (Wt.% - Calcined Basis)	
SiO ₂	8.0
Al ₂ O ₃	85.4
TiO ₂	3.1
Fe ₂ O ₃	1.2
CaO	0.2
MgO	0.1
Alkalies	0.3
P ₂ O ₅	1.7

PCE: 38

Physical Properties				
	English Units		SI Units	
	Average	Standard Deviation	Average	Standard Deviation
Bulk Density		(lbs/ft ³)		(kg/m ³)
	177.8	2.5	2,850	40
Apparent Porosity (%)	17.9	1.1		
Tensile Strength*	Minimum		Minimum	
at 68°F (20°C)	(psi)		(MPa)	
	2,500		17.3	

*-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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