

Snow Shoe Refractories, LLC

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PR-70

Product Data

Scope:

A mullite/andalusite based high alumina anchor with excellent hot properties, alkali resistance, and thermal shock resistance. It will find use in aluminum furnaces, reheat furnaces, boilers, incinerators, rotary kilns, and many other applications.

Chemical Analysis (Wt.% - Calcined Basis)	
SiO ₂	32.7
Al ₂ O ₃	64.7
TiO ₂	0.2
Fe ₂ O ₃	0.7
CaO	0.2
MgO	0.2
Alkalies	0.3
P ₂ O ₅	1.1

PCE: 38

Physical Properties				
	<u>English Units</u>		<u>SI Units</u>	
	<u>Average</u>	<u>Standard Deviation</u>	<u>Average</u>	<u>Standard Deviation</u>
Bulk Density	166.6	1.9	2,670	30
	(lbs/ft ³)		(kg/m ³)	
Apparent Porosity (%)	15.0	1.0		
Tensile Strength* at 68°F (20°C)	Minimum (psi) 1,400		Minimum (MPa) 9.7	

*-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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