

Snow Shoe Refractories, LLC

895 Clarence Road, P. O. Box 276
Snow Shoe, PA 16874
Tel: (814) 387-6811 • Fax: (814) 387-6209

PR-90

Product Data

Scope:

A high purity, 90% alumina brick anchor designed for severe service conditions. It will find use in incinerators, carbon black furnaces, chemical processing units, aluminum, boilers, and a variety of other applications where extra high alumina refractory linings are required.

Chemical Analysis (Wt.% - Calcined Basis)	
SiO ₂	4.9
Al ₂ O ₃	92.9
TiO ₂	0.1
Fe ₂ O ₃	0.1
CaO	0.2
Alkalies	0.4
P ₂ O ₅	1.6

PCE: 40-41

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	192.2	3.1	3,080	50
Apparent Porosity (%)	15.6	1.0		
		Minimum		Minimum
Tensile Strength* at 68°F (20°C)		(psi) 2,500		(MPa) 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.

325011-06/03