

Bubble Alumina Bricks and Shapes

Typical Properties

Composition		AB99	AB95	AB90
Minerology		Corundum	Corundum	Corundum
Al ₂ O ₃	%	99	95	90
SiO ₂	%	0.2	3.0	8.2
Fe ₂ O ₃	%	0.05	0.1	0.3
Property				
Max Service Temperature	°C (°F)	1800 (3300)	1750 (3200)	1700 (3100)
Bulk Density	g/cm ³	1.6	1.5	1.5
Porosity	%	58	58	60
Compressive Strength (room temp)	MPa	17	16	10
Refractoriness under Load (@0.2MPa)	°C (°F)	1750 (3200)	1700 (3100)	1650 (3000)
Thermal Expansion (20-1000°C)	10-6/K	8.0	8.0	7.5
Specific Heat Capacity	kJ/kg.K	1.0	1.0	1.0
Thermal Shock Resistance		**	***	***

This information is given in good faith but does not constitute a specification or guarantee.