

PHYSICAL PROPERTIES

Type of Material	Dense Refractory Material
Raw Material Basis	Tabular Alumina
Bonding System	Hydraulic
Installation Method	Vibrating
Maximum Service Temperature	1800 (°C)
Maximum Grain Size	5 (mm)
Dry Material Required	2900 (kg/m ³)
Drinking Water Required on Site	6.5 - 7.0%

CHEMICAL ANALYSIS

	%
Al ₂ O ₃	94.0
SiO ₂	< 0.5
Fe ₂ O ₃	< 0.5
CaO	< 3.5

DRIED @ 110°C /24 hrs

Bulk Density	(kg/m ³)	3000
Compressive Strength	(MPa)	70

FIRED @ 1200°C /5 hrs

Bulk Density	(kg/m ³)	2900
Compressive Strength	(MPa)	60
Permanent Linear Change	(%)	- 0.1

FIRED @ 1400°C /3 hrs

Compressive Strength	(MPa)	70
Permanent Linear Change	(%)	- 0.2

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