

Main Chemical Composition

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	MgO	Na ₂ O+K ₂ O	L.O.I
43-44	50-52	<2.1	<2	<0.5	<0.5	<0.5	<0.15

Type of Material:	Chamotte
Refractoriness (PCE):	>1700 ^o C
Major Phase:	Mullite
Minor Phase:	Cristobalite – Hematite – Rutile – Glassy Phase
Water Absorption %	<2
Bulk Density (gr/cm³)	2.7-2.76
Physical Properties:	Low porosity High density Excellent thermal stability Good thermal shock resistance High mechanical resistance Good Corrosion resistance
Available Size (mm):	0-1 1-3 3-5 0-12 (BULK) Powder (45-75-100 μm)

Description: Chamotte also known as ‘grog’, ‘firesand’ or “fireclay” is calcined clay containing a high proportion of alumina. It is produced by firing selected fire clays in a rotary kiln to temperatures between 1,250°C and 1,300°C, before grinding and screening to specific particle sizes. For refractories, chamotte contains from 38% to 48% alumina in general. Iron is generally limited to 2.1% and alkalis must be also limited in amount to preserve refractoriness and thermal stability at high temperatures.

Packing: 1.2-1.3 Tone Big bags.

Storage: Store in dry location.

Note: The above-mentioned data represent typical values obtained from current production and are subject to normal variation or individual tests. This result cannot be considered min or max for specific purposes.



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