



Abrasives, Electro Minerals & Metals

TECHNICAL DATA

Brand Name: *Alumac* Refractory Brown Mac'Ants Group Ref: RB

Product: Refractory Brown Fused Alumina

Description: Brown Fused Alumina specifically manufactured & graded for refractory applications.

Application: Due to its excellent thermal, wear and minimal expansion coefficient, brown fused alumina is a critical product used in refractories. This product is made from prime quality feedstocks and graded to industry accepted standards appropriate to use in castable, monolithics, gunnable refractories to name but a few.

Chemical Composition:

Compound	Chemical Formula	Typical Content %
Aluminium Oxide	Al ₂ O ₃	95.4
Silicon Dioxide	SiO ₂	1.2
Titanium Oxide	TiO ₂	2.47
Iron Oxide	Fe ₂ O ₃	0.2
Calcium Oxide	CaO	0.2
Magnesium Oxide	MgO	0.5
Sodium & Potassium Oxide	Na ₂ O / K ₂ O	<0.02

Physical Parameters:

Bulk Density	1.60 – 1.84 g /cc (subject to grade)
Shape	Semi Cubical
Colour	Brown
Specific Gravity	3.95 g/cc
Hardness	9.0 moh / 2000 knoop Diamond

Gradation:

Refractory Metric Fractions of ; 0-0.5, 0-1, 0.2-2.0, 0.5-1, 1-3, 2-5, 3-5, 3-6, 5-10, 10-25mm .

Packaging:

Typically 25 kg sacks, but 1000kg big bags are readily available.

Compliance;

This product is REACH compliant, ask Mac'Ants Group for the associated REACH registration details.

Page: 1-1-6

Issue: 2

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