

# Brown Aluminium Oxide



## Brown Aluminium Oxide

Brown Aluminium Oxide is one of the hardest minerals after diamond. It is a synthetic mineral.

### Chemical Analysis

	%
Al <sub>2</sub> O <sub>3</sub>	95.0
TiO <sub>2</sub>	2.5-3.5
SiO <sub>2</sub>	0.6-1.2
Fe <sub>2</sub> O <sub>3</sub>	0.4
CaO and MgO	<0.6
Na <sub>2</sub> O and K <sub>2</sub> O	<0.01

### Physical Data

Particle Shape	Angular
Colour	Brown
Specific Gravity g/cm <sup>3</sup>	3.9-4.1
Bulk Density g/cm <sup>3</sup>	1.5-2.1
Hardness Knoop 100	2000
Hardness (Mohs)	9.0

### Commodity Code

2818 109120

### Particle Sizes

FEPA	Average (mm)	FEPA	Average (mm)
220	0.05	46	0.36
180	0.06	36	0.50
150	0.08	30	0.60
120	0.10	24	0.70
100	0.13	20	1.0
90	0.15	16	1.2
80	0.18	14	1.4
70	0.21	12	1.7
60	0.26	10	2.0
54	0.30	8	2.4

*not all grades may be available from stock*

### Packing

25 kilo bags on pallets of 1000 kilos and bulk bags

Issue 3 May 2018

*All information is given in good faith but is indicative only and does not constitute a specification.*

### Boud Minerals Limited

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