

Brown Aluminium Oxide



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

Chemical Analysis

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

Physical Data

Particle Shape	Angular
Colour	Brown
Specific Gravity g/cm ³	3.9-4.1
Bulk Density g/cm ³	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

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

Boud Minerals Limited

West Bank, Sutton Bridge
Lincolnshire PE12 9UR, UK
Tel: +44 (0)1406 351988
Fax: +44 (0)1406 350897
Email: sales@boud.com
Web: www.boud.com

Boud Minerals AB

Håkantorpsvägen 109
SE-26391 Höganäs, Sweden
Tel: +46 42 333741
Fax: +46 42 333829
Email: sweden@boud.com
Web: www.boud.com

Boud

Minerals

Contact us

Call

UK: +44 (0)1406 351988

Sweden: +46 42 333741

Fax

UK: +44 (0)1406 350897

Sweden: +46 42 333829

Email

UK: sales@boud.com

Sweden: sweden@boud.com

Website

www.boud.com

Download the

Boud Minerals App



Boud Minerals Limited

*West Bank, Sutton Bridge
Lincolnshire PE12 9UR
UK*

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*Håkantorpsvägen 109
SE-26391 Höganäs
Sweden*