



Abrasives, Electro Minerals & Metals

TECHNICAL DATA

Brand Name: **Alumac** Brown

Mac'Ants Group Ref: **BA**

Product: Brown Fused Alumina

Description: A high grade commercial brown fused alumina manufactured from bauxite, silica, coke and iron

Application: A tough and aggressive electro mineral first discovered at the turn of the 1900's. Manufacturing procedures substantially improved over the years now offering a highly consistent synthetic mineral for use in a myriad of applications from general blasting and surface finishing of non aero components, anti slip flooring, vibratory finishing medias, safe manufacture, coated & bonded abrasives and polishing compounds.

Chemical Composition:

| Compound | Chemical Formula | Typical Content % |
|---------------------------|--------------------------------------|-------------------|
| Aluminium Oxide | Al ₂ O ₃ | 95 |
| Silicon Dioxide | SiO ₂ | 0.6 – 1.2 |
| Titanium Dioxide | TiO ₂ | 2.5 - 3.5 |
| Iron Oxide | Fe ₂ O ₃ | 0.4 |
| Calcium & Magnesium Oxide | CaO and MgO | 0.6 |
| Alkali Metals | Na ₂ O & K ₂ O | <0.01 |

Physical Parameters:

| | |
|------------------|--------------------------------------|
| Bulk Density | 1.64 – 1.88 g /cc (subject to grade) |
| Shape | Semi Cubical |
| Colour | Brown |
| Specific Gravity | 3.95 g/cc |
| Hardness | 9 moh / 2000 knoop Diamond |

Gradation:

FEPA F and P grit in macro range 8 to 220 and micro 240 to 1200, bespoke and blended grades on request

Packaging:

Typically 25 kg multi ply paper sacks, but 1000kg big bags are available and custom label on application

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