



Brown Fused Alumina –

Brown Fused Alumina belongs to the group of electro-corundum. It is produced by controlled melting of calcined bauxite in an electric arc furnace. Brown fused alumina is iron-free and extremely tough.

Applications

- Reusable abrasive
- Grinding, lapping and polishing medium
- Ceramic grinding wheels and grinding media
- Wear-resistant and refractory products
- Injection blast cabinets

Blasting systems

- Pressure blast systems

Typical physical properties

Hardness	9 mohs
Grain shape	angular
Melting point	approx. 1950 °C
Specific gravity	approx. 3,9–4,1 g/cm ³
Bulk density <small>depending on pore rate size</small>	approx. 1,5–2,1 g/cm ³

Typical chemical analysis

Al ₂ O ₃	95,65 %
TiO ₂	2,42 %
Fe ₂ O ₃	0,12 %
SiO ₂	0,92 %
CaO	0,35 %
MgO	0,22 %

Packaging

25 kg bags on pallet up to 1 ton
1 ton loose in big bag

Available granulations

Meshinch	Average grain size (mm)
	0,06 – 0,12
	0,12 – 0,25
	0,25 – 0,50
	0,50 – 1,00
	1,00 – 2,00
	1,00 – 3,00

Available sizes

FEPA	Average grain size (µm)
F 008	2000 – 2800
F 010	1700 – 2360
F 012	1400 – 2000
F 014	1180 – 1700
F 016	1000 – 1400
F 020	850 – 1180
F 022	710 – 1000
F 024	600 – 850
F 030	500 – 710
F 036	425 – 600
F 040	355 – 500
F 046	300 – 425
F 054	250 – 355
F 060	212 – 300
F 070	180 – 250
F 080	150 – 212
F 090	125 – 180
F 100	106 – 150
F 120	90 – 125
F 150	63 – 106
F 180	63 – 90
F 220	53 – 75

Other grain sizes can be produced if required.