White fused Alumina

Synthesegips Service

Manufactured by melting a special grade of calcined alumina (aluminium oxide) in an electric arc furnace using the block method; it is ultra pure, extremely hard, brittle and has almost the melting point of pure aluminium oxide. An iron-free fine abrasive / refractory material for the toughest demands.

Applications:

- Wet and dry blasting
- Grinding, lapping and polishing media
- Ceramic bonded grinding wheels and segments
- Resin bonded abrasive products
- Wear-resistant and fire-proof products
- Catalyst carrier
- Friction products

Physical Properties:

Specific gravity:	3,98 g/cm^3
Hardness:	Knoop 1800/2100
	Mohs 9
Melting point:	2040°C
Bulk density depending on grain size	
Grain shape:	square

Chemical Average Analysis:

Al_2O_3	99,81 %
CaO	0,006 %
Fe_2O_3	0,035 %
Na_2O	0,11 %
SiO_2	0,02 %
TiO_2	0,004 %

Available Granulations:

F060 (250 µ)
Granulation: 212 – 300 µ
Bulk density: 1,68 – 1,78 g/cm^3

F100 (125 µ)
Granulation: 106 – 150 µ
Bulk densityt: 1,58 – 1,68 g/cm^3

F120 (110 µ)
Granulation: 90 – 125 µ
Bulk density: 1,56 – 1,66 g/cm^3

F220 (50 µ)
Granulation: 53 – 75 µ
Bulk density: 1,48 – 15,8 g/cm^3

Packing:

25 kg paperbags on pallets of 1.000 kg shrink-wrapped.

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