

White fused Alumina




Dental

An iron-free fine abrasive / refractory material for the toughest demands.

Fused alumina is 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.

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

Physical Properties:

Specific gravity:	3,98 g/cm ³
Hardness: Knoop	1800/2100
Mohs	9
Melting point:	2040°C
Grain shape:	angular
Bulk density:	1,4 – 2,1 g/cm ³
(depending on grain size)	

Typical Chemical Analysis (on average):

Al ₂ O ₃	99,7 %
Na ₂ O	0,14 %
Fe ₂ O ₃	0,03 %
SiO ₂	0,01 %
CaO	0,02 %
TiO ₂	0,02 %
MgO	0,01 %

Available Granulations:

F060 (250 μ)	
Nominal grain size:	212 – 300 μ
F100 (125 μ)	
Nominal grain size:	106 – 150 μ
F120 (110 μ)	
Nominal grain size:	90 – 125 μ
F220 (50 μ)	
Nominal grain size:	53 – 75 μ

Packing:

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

The recommendations are given to the best of our knowledge after careful control. We grant the quality of our products according to our specification. Any further liability cannot be accepted since the proper application of our products is outside of our control.