



White Fused Alumina EK

White Fused Alumina belongs to the group of electro-corundum. It is produced by controlled melting of alumina in an electric arc furnace. White fused alumina is iron-free, ultra pure and extremely hard.

Applications

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

Blasting systems

- Pressure blast systems
- Injection blast cabinets

Typical physical properties	
Hardness	9 mohs
Grain shape	angular
Melting point	approx. 2050 °C
Specific gravity	approx. 3,9–4,1 g/cm ³
Bulk density <small>depending on granular size</small>	approx. 1,4–2,1 g/cm ³

Typical chemical analysis	
Al ₂ O ₃	99,73 %
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 %

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

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
Metric	Average grain size (mm)
	0,25 – 0,50
	0,50 – 1,00

Other grain sizes can be produced if required.



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