



## White Fused Alumina micro – EK micro

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. EK micro guarantee precise granulometry from 53  $\mu\text{m}$  down to 3  $\mu\text{m}$ .

### Application areas

- 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

### Physical properties

Härte	9 mohs
Grain shape	angular
Melting point	approx. 2050 °C
Specific gravity	approx. 3,9 – 4,1 g/cm <sup>3</sup>
Bulk density <small>depending on granular size</small>	approx. 0,8 – 1,9 g/cm <sup>3</sup>

### Typical chemical analysis

Al <sub>2</sub> O <sub>3</sub>	99,69 %
Na <sub>2</sub> O	0,20 %
Fe <sub>2</sub> O <sub>3</sub>	0,02 %
SiO <sub>2</sub>	0,03 %
CaO	0,05 %
TiO <sub>2</sub>	0,01 %

### Packaging

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

### Available sizes

FEPA	Average grain size		
	d <sub>3</sub> -Factor max. $\mu\text{m}$	d <sub>50</sub> -Factor $\mu\text{m}$	d <sub>94</sub> -Factor min. $\mu\text{m}$
F 230	82,0	53,0 +/- 3,0	34,0
F 240	70,0	44,5 +/- 2,0	28,0
F 280	59,0	36,5 +/- 1,5	22,0
F 320	49,0	29,2 +/- 1,5	16,5
F 360	40,0	22,8 +/- 1,5	12,0
F 400	32,0	17,3 +/- 1,0	8,0
F 500	25,0	12,8 +/- 1,0	5,0
F 600	19,0	9,3 +/- 1,0	3,0
F 800	14,0	6,5 +/- 1,0	2,0
F 1000	10,0	4,5 +/- 0,8	1,0
F 1200	7,0	3,0 +/- 0,5	1,0*

\* at 80 %

Other grain sizes can be produced if required.



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Rev. 31.07.2009