



Brown Fused Alumina micro – NK micro

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. NK micro guarantee precise granulometry from 53 μm down to 3 μm .

Application areas

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

Blasting systems

- Pressure blast systems
- Injection blast cabinets

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 granular size</small>	approx. 0,8 – 1,9 g/cm ³

Typical chemical analysis

Al ₂ O ₃	95,77 %
TiO ₂	2,79 %
Fe ₂ O ₃	0,33 %
CaO	0,33 %

Packaging

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

Available sizes

FEPA	Average grain size		
	d ₃ -Factor max. μm	d ₅₀ -Factor μm	d ₉₄ -Factor min. μm
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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