

ABRASIVE / GRINDING WHEEL

A HIGH QUALITY WFA, WITH HIGH PURITY AND LARGE CRYSTAL SIZE. SUITABLE FOR THE PRODUCTION OF GRINDING SHAPES AND CUTTING WHEELS.

Product code: WF-AB

Description

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

- Grinding wheels
- Cutting wheels
- Ceramic grinding wheels
- Ext. & int. cylindrical grinding

WFA - ABRASIVE GRINDING WHEEL



TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	99,50%
SiO ₂	0,14%
Fe ₂ O ₃	0,03%
Na ₂ O	0,30%
CaO	0,02%

TYPICAL PHYSICAL PROPERTIES

Hardness	9 mohs
Grain shape	Blocky, with sharp edges
Specific gravity	Approx. 3,9 - 4,1 g/m ³
Bulk density (Dependent upon granular size)	Approx. 1,4 - 1,9 g/m ³

PACKAGING

25 kg paper or plastic bags on pallet up to 1 ton

1 ton loose in bulk bag

[Other packaging available upon request](#)

AVAILABLE SIZES

SPECIAL SIZES

[Specialty sizes available upon request](#)

REGULAR SIZES & TYPICAL BULK DENSITY

FEPA	Avg. Grain Size (µm)	Typical Bulk Density (g/cm ³)
F008	2000 - 2800	1,70 - 1,85
F010	1700 - 2360	1,70 - 1,85
F012	1400 - 2000	1,70 - 1,85
F014	1180 - 1700	1,70 - 1,85
F016	1000 - 1400	1,70 - 1,84
F020	850 - 1180	1,70 - 1,84
F022	710 - 1000	1,65 - 1,84
F024	600 - 850	1,65 - 1,84
F030	500 - 710	1,65 - 1,83
F036	425 - 600	1,65 - 1,82
F040	355 - 500	1,64 - 1,82
F046	300 - 425	1,63 - 1,79
F054	250 - 355	1,62 - 1,79
F060	212 - 300	1,62 - 1,77
F070	180 - 250	1,60 - 1,75
F080	150 - 212	1,61 - 1,71
F090	125 - 180	1,56 - 1,70
F100	106 - 150	1,55 - 1,68
F120	90 - 125	1,53 - 1,68
F150	63 - 106	1,51 - 1,61
F180	63 - 90	1,50 - 1,60
F220	53 - 75	1,46 - 1,55

[Micro Sizes - available upon request](#)

merchantability or fitness for any particular goal or application. The product's chemistry and other properties may differ or contain trace elements not specifically listed. If relatively minor variations in chemistry or physical characteristics could result in problems or damage to the production process or product as your intended application of this product is so critical, please contact our office for further assistance.