

# White Fused Alumina



White Fused Alumina is produced by fusion of high purity Bayer processed alumina in electric arc furnaces at a temperature of about 2,050 degree Celsius. JCT's white fused alumina has the features of well-distributed particle size composition, low magnetic substance content, high bulk density and toughness, good toughness, and high cleanliness, etc. The bonded abrasives made by white fused alumina are recommended for the grinding of high carbon steel, high speed steel and chilled steel. It can also be used as blasting, lapping and polishing media and laminating flooring materials.

## Chemical Composition

Chemical composition	Al <sub>2</sub> O <sub>3</sub> (%)	Na <sub>2</sub> O (%)	SiO <sub>2</sub> (%)	Fe <sub>2</sub> O <sub>3</sub> (%)
Grit				
F12-F80	≥99.6%	≤0.3	0.03-0.05	0.01-0.05
F90-F150	≥99.55%	≤0.35		
F180-F220	≥98.50%	≤0.40		

## Physical Property

Basic minerals	Crystal size(μm)	True density (g/cm <sup>3</sup> )	Hardness(kg/mm <sup>2</sup> )
α-Al <sub>2</sub> O <sub>3</sub>	600-1400	≥3.90	2200-2300

## Bulk Density (g/cm<sup>3</sup>)

F24	F30	F36	F40	F46
1.80-1.85	1.78-18.3	1.75-1.82	1.73-1.80	1.73-1.80
F54	F60	F70	F80	F90

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1.71-1.76	1.70-1.75	1.63-1.70	1.61-1.66	1.59-1.65
F100	F120	F150	F180	F220
1.57-1.65	1.54-1.62	1.50-1.59	1.48-1.57	1.45-1.54

### Particle Size Distribution

The standard of particle size distribution is same as FEPA standard.

### Application:

- Bonded Abrasives
- Sandblasting, lapping, and polishing media
- Laminating flooring

### Packaging

25kg plastic bags on pallet or loaded in big bag directly. The packaging can be also customized.

JCT ABRASIVES

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