

# White Fused Aluminum Oxide

## Technical Data Sheet

11/2024

### White Fused Aluminum Oxide

White corundum is made of high-purity aluminum oxide melted at high temperatures in an electric arc furnace. It has a dense texture, hardness, sharp edges and corners. It is suitable for rapid cleaning, grinding, and surface preparation in automobile manufacturing, medical equipment, the glass industry, and ceramic products.

- High hardness, strong cutting ability.
- Rapidly crush and decompose, improve sandblasting efficiency.
- Low grinding heat, no residue on the surface.
- Alumina content of 99%, stable performance.
- Good thermal conductivity, and high-temperature resistance.
- Uniform particles can achieve consistent roughness.

### DESIGNATION AND AVAILABLE SIZES

F Sand	μm	F Sand	μm	F Sand	μm	F Sand	μm	F Sand	μm	F Sand	μm
F12	1400-2000	F14	1180-1700	F16	1000-1400	F20	850-1180	F22	710-1000	F24	600-850
F30	500-710	F36	425-600	F40	355-500	F46	300-425	F54	250-355	F60	212-300
F70	180-250	F80	150-212	F90	125-180	F100	106-150	F120	90-125	F150	63-106
F180	63-90	F220	53-75								

### CHEMICAL ANALYSIS

Typical values	Fe <sub>2</sub> O <sub>3</sub>	Al <sub>2</sub> O <sub>3</sub>	Na <sub>2</sub> O
%	0.04-0.10%	98.5-99.7%	0.25-0.35%

### PHYSICAL PROPERTIES

	Numerical Value
Color:	White
Particle shape:	Angular
Hardness:	Mohs:9.0
Specific Gravity:	3.95g/cm <sup>3</sup>
Bulk density(LPD):	1.55-1.95g/cm <sup>3</sup>

### PACKAGING

- 25kg drum + pallet/bag
- Larger size bags available on request

### MAIN APPLICATIONS

- Remove oxidation layer and dirt from engine pistons;
- Remove burrs from high-precision components such as circuit boards;
- Polishing of surgical instruments and implants
- Engraving and polishing of high-end glass products and ceramic components;
- Clean the plastic mold and make sure the surface is smooth.



**JiangSu Henglihong Industrial Co., Ltd.**  
 Shuofang Industrial Park, Xinwu District,  
 Wuxi City, Jiangsu Province  
 contact@hlh-js.com  
 Phone : +86 180-6835-1533  
[www.hlh-js.com](http://www.hlh-js.com)