

White Aluminum Oxide Grits

AlO₃:99.5%
TiO₂:0.0995%
SiO₂ (not free):0.05%
Fe₂:0.08%
MgO:0.02%
Alkali (Soda & Potash):0.30%
Crystal Form:Rhombohedral Class
Chemical Nature:Amphoteric
Specific Gravity:3.95 gm/cc
Bulk Density:116 lbs/ ft³
Hardness:KNOPPS = 2000, MOHS = 9
Melting Point:2,000°C



White fused alumina is made of high-purity low-sodium alumina powder by melting at the high temperature, cooling crystallization, and then crushing. The white fused alumina grit is under strict controlling to keep the grain size distribution and the consistent appearance.

Advantages

Has no influences about the color of processed parts.
 Can be used in the processes where the iron powder residue is strictly prohibited.
 Shaping grains are very suitable for wet sandblasting and polishing operations.

Properties

White, α crystal over 99%, high purity, high hardness, and high toughness, strong cutting force, strong chemical stability, and strong insulation.

Mohs hardness	9
Bulk density	1.75-1.95g/cm ³
Specific gravity	3.95g/cm ³
Volume density	3.6
Melting degree	2250 [°]
Refractory degree	2000 [°]

Application

- ① Sandblasting, polishing and grinding of metal and glass.
- ② Filling of the paint, wear-resistant coating, ceramic, and glaze.
- ③ Making of grinding wheel, sandpaper and emery cloth.
- ④ Production of ceramic filter membranes, ceramic tubes, ceramic plates.
- ⑤ For the use of wear-resistant floor.
- ⑥ Sandblasting of circuit boards.
- ⑦ Sandblasting of ships, aircraft engines, train tracks and outer bodies.
- ⑧ Various white fused aluminum oxide grains can be produced according to customers' different demands.

Used for refractory, castable

Properties		0-1 1-3 3-5m/m		F100	F200	F325
		Guarantee Value	Typical Value	Guarantee Value	Typical Value	
Chemical Composition	Al ₂ O ₃	≥99.1	99.5	≥98.5	99	
	SiO ₂	≤0.4	0.06	≤0.30	0.08	
	Fe ₂ O ₃	≤0.2	0.04	≤0.20	0.1	
	Na ₂ O	≤0.4	0.3	≤0.40	0.35	

Used for abrasives, blasting, grinding

Properties		Grains																			
		8#	10#	12#	14#	16#	20#	22#	24#	30#	36#	40#	46#	54#	60#	70#	80#	90#	100#	120#	150#
		Guarantee Value						Typical Value													
Chemical Composition	Al ₂ O ₃	≥99.1						99.5													
	SiO ₂	≤0.2						0.04													
	Fe ₂ O ₃	≤0.2						0.03													
	Na ₂ O	≤0.30						0.2													

Used for abrasives, lapping, Polishing

Properties		Micropowder																				
		"W"	W63	W50	W40	W28	W20	W14	W10	W7	W5	W3.5	W2.5	W1.5	W0.5							
		"FEPA"	F230	F240	F280	F320	F360	F400	F500	F600	F800	F1000	F1200	F1500	F2000							
		"JIS"	240#	280#	320#	360#	400#	500#	600#	700#	800#	1000#	1200#	1500#	2000#	2500#	3000#	4000#	6000#	8000#	10000#	12500#
		Guarantee Value						Typical Value														
Chemical Composition	Al ₂ O ₃	≥99.1						99.3														
	SiO ₂	≤0.4						0.08														
	Fe ₂ O ₃	≤0.2						0.03														
	Na ₂ O	≤0.4						0.25														