Komeno Abrasives

White Fused Alumina

Product and Applications

White Fused Alumina is made from reduced fusion of high purity alumina powder and other fillings in electric arc furnace under 2000 degree above

Refractory

Because of its high refractory temperature, acid and alkali corrosion resistant, stable in chemical content, high true gravity/density, low porosity rate, thermal shock resistant,White Fused Alumina refractory grades is an important high end material for production of shaped and unshaped refractory products.Along with Brown Fused Alumina,White Fused Alumina is one of the important refractory material in synthetic corundum family, while with higher Aluminium Oxide content.

Abrasive Tools and Sandblasting

We select quality high purity alumina powder and fuse in electric arc furnace by skilled technicians, and execute standard crush, shape improve, sieving, magnetic content removal and grade into standard FEPA grits for abrasives and sand blasting.

Komeno Abrasives

White Fused Alumina

Physical Specifications & Package

Specific Gravity : ≧3.90 g /cm^3

Bulk Density : 1.5-2 g / cm^3

Hardness : 9 MOSH

Color : White

Melting Point : 2250℃

Sizes Available : F8-F220, F280-F2000, other sizes upon request

Package : Jumbo Bag, 25kg bag and 40bags on a Pallet

Sizes(FEPA)

F8	2000-2800 μm	F46	300-425μm
F10	1700-2360 μm	F54	250-355μm
F12	1400-2000 μm	F60	212-300μm
F14	1180-1700 μm	F70	180-250μm
F16	1000-1400μm	F80	150-212μm
F20	850-1180μm	F90	125-180μm
F22	710-1000μm	F100	106-150μm
F24	600-850μm	F120	90-125μm
F30	500-710μm	F150	63-106μm
F36	425-600μm	F180	63-90μm
F40	355-500μm	F220	53-75μm

Particle Distribution & Chemical Content

Komeno
Grinding& Polishing Solutions

White Fused Alumina FEPA sizes

Physical Analysis	Grit#	Coarsest	Big Size	Normal	Mixed	Fine	Chemical Analysis	
	F24	+1.18	+0.85	+0.71	+0.60	-0.50	AL_2O_3	99.53%
	Standard	0%	0-25%	45-100%	65-100%	0-3%	SIO_2	0.06%
	Sample 1	0	18	61	80	0.5	Na_2O	0.33%
	Sample 2	0	17	62	80	0.5	Fe_2O_3	0.03%
Physical Analysis	Grit#	Coarsest	Big Size	Normal	Mixed	Fine	Chemical Analysis	
	F30	+1.00	+0.710	+0.600	+0.500	-0.425	AL_2O_3	99.42%
	Standard	0%	0-25%	45-100%	65-100%	0-3%	SIO_2	0.05%
	Sample 1	0	18	61	80	0.5	Na_2O	0.32%
	Sample 2	0	17	62	80	0.5	Fe_2O_3	0.04%
Physical Analysis	Grit#	Coarsest	Big Size	Normal	Mixed	Fine	Chemical Analysis	
	F60	+0.425	+0.30	+0.25	+0.212	-0.18	AL_2O_3	99.44%
	Standard	0%	0-30%	40-100%	65-100%	0-3%	SIO_2	0.04%
	Sample 1	0	11	57	86	0.5	Na_2O	0.30%
	Sample 2	0	11	56	87	0.5	Fe_2O_3	0.03%
Physical Analysis	Grit#	Coarsest	Big Size	Normal	Mixed	Fine	Chemical Analysis	
	F120	+0.180	+0.125	+0.106	+0.090	-0.063	AL_2O_3	99.41%
	Standard	0%	0-20%	40-100%	65-100%	0-3%	SIO_2	0.05%
	Sample 1	0	15	65	83	0.5	Na_2O	0.31%
	Sample 2	0	16	64	82	0.5	Fe_2O_3	0.03%
Physical Analysis	**F320**	D0	D3 Maximum	D50 Medium	D95 Smallest		Chemical Analysis	
							AL_2O_3	99.3%
	Standard	0	52	32.8±1.5	19		SIO_2	0.09%
	Sample 1	0	39	32.5	13		Na_2O	0.33%
	Sample 2	0	39	33	14		Fe_2O_3	0.11%