SUNTEK
Advanced Materials

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HIGH PURITY AND LOW SODIUM WFA MICROPOWDER

SUNTEK high purity and low sodium white fused alumina is a high purity α-type alumina powder containing no less than 99.75% Al2O3.



This product is developed to maintain a low Na2O amount, as low as 0.05% or less, so it has an excellent insulation capability. It can be used as insulation coating material for electronics heater tubes and various insulating film materials.

It can also be used as high-quality ceramics material or high-quality filler material.

Application:

It can be used for making electronics, ceramic insulation components, insulator coating and engineering ceramics as well as wear resisting floor paper.
It is the essential material for making ceramic filler, insulator coating, thermally conductive interface materials, Gap Pad electrically insulating and non-insulating gap fillers, thermally conductive adhesive tapes and Thermal Clad insulated metal substrates for conducting heat.
Thermal spray material
It is widely used in high standard finishing, grinding and polishing industries.

Items		F240	F280	F320	F360	F400	F500	F600	F800	F1000	F1200	F1500
Chem. Spec.	Al2O3 (%)	99.8	99.8	99.8	99.8	99.75	99.7	99.7	99.7	99.7	99.7	99.7
	Na2O (%)	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06
	Fe2O3 (%)	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05
	SiO2 (%)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05
Particle Size	D50 (um)	44.5 ± 2.0	36.5 ± 1.5	29.2 ± 1.5	22.8 ± 1.5	17.3 ± 1.0	12.8 ± 1.0	9.3 ± 1.0	6.5 ± 1.0	4.5 ± 0.8	3.0 ± 0.5	2.0 ± 0.4

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