

Contact Manufacturer

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TECHNICAL DATA SHEET

PRODUCT: White Fused Alumina

DESCRIPTION:

White Fused Alumina was made from the high quality alumina by melting above 2000 in the electric arc furnace and cooling. It is white with the main crystal phase alpha-Al₂O₃.The white alumina produced in titling electric arc furnace has the advantage of high bulk density and low porosity and the volume stability and thermal shock resistance can be improved.

TYPICAL CHEMICAL ANALYSIS [%]:

Al ₂ O ₃	Fe ₂ O ₃	SiO ₂	FeO	MgO	CaO	TiO ₂	Na ₂ O	K ₂ O	LOI
99.5	0.04	0.01	/	0.01	0.01	/	0.25	0.01	< 0.09

PHYSICAL PROPERTIES

Specific Weight	Hardness	Crystal form	Melting Point
3.96 g/ cm ³	9.0Mohs scale	Alpha Alumina	2050

PARTICLE SIZE DISTRIBUTION

F20	+1700um	0	+1180um	≤20%	+1000um	≥45%	+1000+850um	≥70%	-710um	≤3%
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Applications:

- Bonded Abrasives and Coated abrasives
- Wet and dry blast media,grinding and polishing etc
- Floor/Wall laminates
- Thermal spraying/plasma spraying
- Ceramic and Tiles,Ceramic filter plate,ceramic membrane etc
- Grinding wheels,Cup wheels,Whetstone,polishing pads etc
- Catalyst Carrier
- Blast-cleaning,surface finishing
- Creating a matt finish on glass,Deburring
- Processing very hard component
- Roughening metallic surfaces
- Wear-resistant

The shown values are typical characteristics of the material and shall not be used to prepare specifications. They are submitted to tolerances of the production and meet the present standard of technique. We reserve our right for changes within the scope of technical progress or internal improvement..