

WHITE FUSED ALUMINA ABRASIVE (WFA)

Quality Grade: Export First-Class A1 | Compliance: FEPA 42-1:2006 / JIS R6001 / ISO 8486

1. TYPICAL CHEMICAL COMPOSITION (%)

Element	Al ₂ O ₃	Na ₂ O	SiO ₂	Fe ₂ O ₃
Standard Grade	· 99.0 %	· 0.40 %	· 0.10 %	· 0.08 %
High Purity Grade	· 99.5 %	· 0.25 %	· 0.05 %	· 0.04 %

2. PHYSICAL & MECHANICAL PROPERTIES

Property	True Density	Bulk Density	Mohs Hardness	Melting Point
Specification	· 3.95 g/cm ³	1.75 - 1.95 g/cm ³	9.0	2250 °C (4082 °F)

3. AVAILABLE SIZES & GRIT CLASSIFICATION

- Macro Grits: FEPA F12 to F220 / JIS #16 to #220.
- Precision Micro Powders: F240, F280, F320, F360, F400, F500, F600, F800, F1000, F1200.
- JIS Micro: #240, #320, #400, #600, #800, #1000, #1200, #1500, #2000, #2500, #3000.

4. PRIMARY INDUSTRIAL APPLICATIONS

- Contamination-free sandblasting on stainless steel, aluminum alloys, medical devices, and aerospace titanium.
- Precision grinding wheels, toolroom grinding, and wafer slicing.
- Micro powders for optical glass, semiconductor polishing, and ceramic coating.
- High-grade refractory raw material for slide gates, continuous casting nozzles, and porous plugs.

5. PACKAGING, CERTIFICATION & EXPORT LOGISTICS

- 25 kg multi-wall moisture-proof paper bags palletized and shrink-wrapped.
- 1 MT jumbo bags with bottom discharge.
- Full batch COA and SDS documentation included with shipping documents.

MANUFACTURER QUALITY STATEMENT & EXPORT GUARANTEE:

Every batch undergoes rigorous XRF chemical analysis, bulk density and laser particle sizing before dispatch.

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QC APPROVED

ISO 9001:2015