

BROWN FUSED ALUMINA ABRASIVE (BFA)

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

1. TYPICAL CHEMICAL COMPOSITION (%)

Element	Al2O3	TiO2	SiO2	Fe2O3	CaO + MgO
Standard Grade	· 95.0 %	1.8 - 3.2 %	· 1.20 %	· 0.30 %	· 0.45 %
High Purity Grade	· 96.5 %	1.5 - 2.5 %	· 0.80 %	· 0.20 %	· 0.35 %

2. PHYSICAL & MECHANICAL PROPERTIES

Property	True Density	Bulk Density	Mohs Hardness	Melting Point
Specification	· 3.95 g/cm³	1.55 - 1.95 g/cm³	9.0	2050 °C (3722 °F)

3. AVAILABLE SIZES & GRIT CLASSIFICATION

- FEPA F-Grits (Bonded & Blasting): F12, F14, F16, F20, F24, F30, F36, F46, F54, F60, F70, F80, F90, F100, F120, F150, F180, F220.
- FEPA P-Grits (Coated Paper & Belts): P12 to P220.
- Refractory Section Sizes: 0-1mm, 1-3mm, 3-5mm, 5-8mm, -200 mesh, -325 mesh.

4. PRIMARY INDUSTRIAL APPLICATIONS

- Heavy-duty sandblasting, rust removal, and surface profiling on structural steel and bridges.
- Manufacturing vitrified and resinoid bonded grinding wheels, cutting discs, and segment blocks.
- High-temperature refractory aggregates for furnace castables, ramming mixes, and blast furnace troughs.
- Anti-skid aggregate for industrial floor coatings, airport runways, and bridge decks.

5. PACKAGING, CERTIFICATION & EXPORT LOGISTICS

- 25 kg multi-wall PP moisture-proof bags, 40 bags shrink-wrapped on 1 MT fumigated pallet (ISPM-15).
- 1000 kg / 1200 kg heavy-duty UV-resistant jumbo bulk bag with discharge spout.
- FOB Qingdao / Tianjin seaport, CIF, CFR, and door-to-door DDP global sea freight.
- Free 1kg - 5kg testing sample dispatched via international express courier.

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