

White Fused Alumina

Description: White Fused Alumina is produced by electric-arc fusion of high-purity alumina powder. It is white in color, with slightly higher hardness and slightly lower toughness than Brown Fused Alumina. WFA features stable quality, uniform particle-size distribution, low magnetic material content, high bulk density, high purity, and excellent cleanliness.

For refractory applications, it provides low sodium content, high refractoriness, corrosion and erosion resistance, and improved strength and volume stability.

WFA is suitable for grinding high-carbon steel, high-speed steel, and hardened steel. It is also used in lapping and polishing, precision casting, blasting media, chemical catalyst supports, special ceramics, and coated abrasives. Its sharp, angular grains provide aggressive cutting action and resist loading, making it particularly suitable for sanding wood, plastics, and other soft materials.

Chemical & Physical Properties

Size	Al ₂ O ₃ ≥	Fe ₂ O ₃ ≤	Na ₂ O + K ₂ O ≤	SiO ₂ ≤	True Density (g/cm ³) ≥	Refractoriness (°C) >	Stacking Density (g/cm ³)	Bulk Density (g/cm ³) ≥
WFA (GB/JIS/PEPA)	99.2	0.01	0.4	0.02	3.95	1850	1.4–1.9	3.7
WFA Low-sodium	99.5	0.02	0.2–0.35	0.03	3.96	1850	1.6–2.0	3.7
WA (F8–F280)	99.2	0.05	0.2–0.35	0.06	3.96	1850	1.6–1.95	3.7
WFA Grits Ultra Low Sodium	99.6	0.03	0.18	0.05				
WFA Fines Ultra Low Sodium	99.7	0.03	0.10	0.1				

Product Information

Size	0–1 / 1–3 / 3–5 / 5–8 mm; –200 / –325 mesh.
Packing	In 1.00 MT, 1.25 MT or 1.35 MT bulk bags; 25/50 kg bags in bulk bags or on wrapped pallets.
Origin	Henan Province / Shandong Province, China.