



CHAORYAN

PRODUCT DATA SHEET

Luoyang Naibao New Materials Co., Ltd.

Brown Fused Alumina F46

Grade / size: F46 | Product family: F Grit

Document ID: CY-PDS-EN-2288 | Version: 1.0 | Date: 2026-10-02

Product overview

Brown Fused Alumina F46 is a CHAORYAN f grit product for bonded abrasives, blasting and industrial grinding. Confirm the grade, chemistry, particle size distribution and packing in the agreed technical specification.

Specifications

Product	Brown Fused Alumina F46
Grade / size	F46
Product family	F Grit
Packing	Confirm bag or bulk packing and labeling with the order.

Chemical composition

Parameter	A	A-B
Al ₂ O ₃ (%)	95.00–97.50	≥93.00
TiO ₂ (%)	1.50–3.80	1.50–4.20
CaO (%)	≤0.45	—
Al ₂ O ₃ (%) — F46 reference sample	95.72	95.56
SiO ₂ (%) — F46 reference sample	0.92	1.12
TiO ₂ (%) — F46 reference sample	2.52	2.39
Fe ₂ O ₃ (%) — F46 reference sample	0.06	0.06
CaO (%) — F46 reference sample	0.28	0.30

Physical properties

Parameter	A	A-B
Bulk density (g/cm ³) — reference sample	1.85	1.85
Magnetic content ≤ (%)	0.0300	0.0580
Calcination temperature (°C), A grade	1050–1350	—

Particle size distribution

Distribution limits and sieve fractions are confirmed in the agreed technical specification and batch test report.

Applications

Bonded abrasives, blasting and industrial grinding.

Processing and packing

Discuss particle shape, grading and sample matching for the intended process.

Confirm bag or bulk packing and labeling with the order.

Specific guaranteed values follow the agreed technical specification and batch test result.

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