



# CHAORYAN

## PRODUCT DATA SHEET

Luoyang Naibao New Materials Co., Ltd.

## Brown Fused Alumina F180

Grade / size: F180 | Product family: F Grit

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### Product overview

Brown Fused Alumina F180 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 F180                                 |
| Grade / size   | F180                                                     |
| Product family | F Grit                                                   |
| Packing        | Confirm bag or bulk packing and labeling with the order. |

### Chemical composition

| Parameter                                                  | A           | A-B       |
|------------------------------------------------------------|-------------|-----------|
| Al <sub>2</sub> O <sub>3</sub> (%)                         | 93.00–97.50 | ≥91.00    |
| TiO <sub>2</sub> (%)                                       | 1.50–3.80   | 1.50–4.20 |
| CaO (%)                                                    | ≤0.45       | —         |
| Al <sub>2</sub> O <sub>3</sub> (%) — F180 reference sample | 94.70       | 94.32     |
| SiO <sub>2</sub> (%) — F180 reference sample               | 1.27        | 1.30      |
| TiO <sub>2</sub> (%) — F180 reference sample               | 2.93        | 2.91      |
| Fe <sub>2</sub> O <sub>3</sub> (%) — F180 reference sample | 0.15        | 0.16      |
| CaO (%) — F180 reference sample                            | 0.39        | 0.30      |

### Physical properties

| Parameter                                            | A         | A-B    |
|------------------------------------------------------|-----------|--------|
| Bulk density (g/cm <sup>3</sup> ) — reference sample | 1.54      | 1.54   |
| Magnetic content ≤ (%)                               | 0.0180    | 0.0440 |
| 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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### CONTACT

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