

BROWN FUSED ALUMINA GRADE A TECHNICAL DATA SHEET



PRODUCT OVERVIEW

A Brown Fused Alumina is type of synthetic corundum made from bauxite ore, known for its heat resistance & abrasive properties. BFA is hard & tough material with melting point about 2200 °C. It's in angular form with sharp edges, having different sizes as per applications & standards.

KEY FEATURES

- ✓ ANGULAR SHAPE WITH SHARP EDGES
- ✓ UNIFORMED SIZE
- ✓ HARDEST MATERIAL AFTER DIAMOND
- ✓ 100% NON-METALLIC
- ✓ BEST ABRASIVE PROPERTIES
- ✓ HIGHLY DURABLE

INDUSTRIES

- ✓ AEROSPACE
- ✓ RAILWAYS
- ✓ DEFENSE
- ✓ AUTOMOTIVE
- ✓ CONSTRUCTION
- ✓ SHIPBUILDING
- ✓ FOUNDRY & FORGING

CHEMICAL ANALYSIS

AL ₂ O ₃	: ≥ 94.00%
FE ₂ O ₃	: ≤ 0.50%
TIO ₂	: ≤ 3.00%
SIO ₂	: ≤ 1.00%
CAO	: ≤ 1.00%
OTHER	: ≤ 0.1%

AVAILABLE SIZES

#12, #14, #16, #20, #24, #30, #36, #40, #46, #54, #60, #80, #100, #120, #150, #180, #200, #220, #300, #400

PACKING & FORWARDING



CUSTOM ON REQUEST

PHYSICAL ANALYSIS

COLOR	: DARK BROWN
SHAPE	: ANGULAR
NATURE	: HARD & TOUGH
HARDNESS	: ≥ 9 MOHS
SP. GRAVITY	: 3.85-4.10
BULK DENSITY	: 1.5-2.1
MELTING POINT	: 2200°C

DELIVERABLE STANDARDS

FEP A F Standard EN ISO 11126-7 DIN 8201-6 ANSI B74-12 NF EN 4638	FEP A P Standard DIN ISO 8486-1 MIL A-A-59316 JIS R6001 D50TF5 Class A+D NF L 06-829 CSS 12
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