

# BROWN (ARTIFICIAL CORUNDUM) FUSED ALUMINA LOW PURITY CQ GRADE



## TECHNICAL DATA SHEET



### PRODUCT OVERVIEW

A BROWN FUSED ALUMINA IS PROCESSED MATERIAL OF CALCINED BAUXITE WHERE IT'S FUSED IN THE ARC FURNACE WITH SILICA, COKE & IRON. BFA CQ IS LOW PURITY GRADE HAVING HIGH MELTING POINT BUT NOT TOO SUSTAINABLE.

### KEY FEATURES

- ✓ HIGH MELTING POINT
- ✓ UNIFORMED SIZE
- ✓ HIGH PURITY
- ✓ 100% NON-METALLIC
- ✓ BEST THERMAL PROPERTIES
- ✓ LONG LASTING

### INDUSTRIES

- ✓ REFRACTORY
- ✓ STEEL INDUSTRIES
- ✓ CERAMIC
- ✓ CHEMICAL
- ✓ FOUNDRY & FORGING

### CHEMICAL ANALYSIS

AL<sub>2</sub>O<sub>3</sub> : ≥ 90.50%  
FE<sub>2</sub>O<sub>3</sub> : ≤ 0.20%  
TiO<sub>2</sub> : ≤ 4.50%  
SiO<sub>2</sub> : ≤ 2.50%  
CaO : ≤ 2.00%  
OTHER : ≤ 0.50%

### AVAILABLE SIZES

1-3 MM, 3-5 MM, 5-8 MM, 0-1 MM, 0.5-1MM, 15-25MM, 4X10, 10X20, 10X40, 20X40, 40X200, TPF II, 200 MF, 325 MF, 5/16" x 4, 3/4" x 5/16"

### PACKING & FORWARDING

 1 MT JUMBO  50 KGS

CUSTOM ON REQUEST

### PHYSICAL ANALYSIS

CRYSTAL TYPE : α- ALUMINA  
COLOR : DARK BROWN  
SHAPE : ANGULAR  
NATURE : HIGH MELTING  
HARDNESS : ≥ 9 MOHS  
SP. GRAVITY : 3.95-4.10  
BULK DENSITY : 1.5-1.9  
MELTING POINT : 2200° C

### DELIVERABLE STANDARDS

FEP A F Standard	FEP A P Standard
EN ISO 11126-7	DIN ISO 8486-1
DIN 8201-6	MIL A-A-59316
ANSI B74-12	JIS R6001
NF EN 4638	D50TF5
	Class A+D
DMR71-100	NF L 06-829
ABR 9-0160	CSS 12

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