



## Brown Aluminum Oxide

Brown Aluminum Oxide (BFA / A) is produced by fusion of high-quality bauxite in an electric arc furnace at high temperatures. It is of compression strength, high toughness, self-sharpening, lower expansion coefficient, no rusty spot, good hydrophily, high cleanliness, etc. It is suitable for resin-bonded cut off and grinding wheels, vitrified wheels, blasting, surface preparation, anti-skid surface, etc.

### Chemical Composition ( F24 ) :

Specification	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>
BFA-Resin	95.1 %	1.36%	0.18%	2.41%

### Physical Properties:

Principal Crystalline Phase	$\alpha$ -Al <sub>2</sub> O <sub>3</sub>
Crystal Color	Brown
True Specific Gravity	$\geq 3.90 \text{ g/cm}^3$
Mohs hardness	$\geq 9.00$
Micro Hardness	HV1800-2200
Grinding Ability	$\geq 0.10$

### Grits:

F12 to F220, P12 to P220, #240 to #4000...

In accordance with the current GB / FEPA / JIS / ANSI sieve standards.

Other sizes are also available on request.