

Brown Fused Alumina

CHEMICAL ANALYSIS (by XRF, %)

	Al ₂ O ₃	TiO ₂	SiO ₂	Fe ₂ O ₃	MgO
BA100	94-95	1.5-2.5	<1.5	<0.5	<0.5
BA200	95-96	1-1.5	<1.2	<0.5	<0.2
BA300	96-97	0.5-1	<0.8	<0.5	<0.2

PHYSICAL SPECIFICATIONS

Color	Dark brown	Bulk Density	1.7-1.9 g/cm ³
Hardness	9 Mohs	True Density	>3.9 g/cm ³
Refractoriness	1850 °C	Envelope Density	>3.8 gr/cm ³
Shape	Blocky	Crystal Form	Alpha Alumina

PARTICLE SIZES

FEPA	MESH	Sand Size
20,24,30,36,40,46,54,60	20,25,30,35, 40,50,70	0-1, 1-3, 3-5, 5-8 mm

Other sizes could be prepared according to customers' order.

PACKING

1 metric ton big bag or 25 kg plastic bag on pallet, as per customer's requirement.

ADVANTAGES

- High hardness
- High toughness
- High melting point
- Temperature resistance
- Stable thermal performance



ABOUT AFTAB Brown Fused Alumina

AFTAB is a trade and engineering group in IRAN which have extended the scope of its activities to supply primary commodities for infrastructural industries such as refractories and insulators, ceramics, grinding tools, catalyst and abrasives. Brown Fused Aluminum oxide (Al₂O₃) is one of the most popular and commonly used materials in such industries. In addition to its high hardness (Mohs hardness:9), brown fused alumina possess excellent corrosion and wear resistance, good thermal conductivity and high strength. Our Brown Fused Alumina is available in standard mesh, grit and powder sizes. Moreover, other sizes could also be prepared according to customers' requirements.



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APPLICATIONS

Brown fused alumina is widely used as a raw material in refractories, ceramic shapes, grinding wheels, sandpapers, blasting media, metal preparation, laminates, coatings, lapping, polishing, grinding and hundreds of other applications.