



# CUMIHEAT



## BROWN FUSED ALUMINA

Brown Fused Alumina grains are manufactured by controlled fusion – reduction process of Bauxite, in an electric arc furnace followed by slow solidification. The melting point of brown alumina is > 2000°C and has high refractoriness. Fused Alumina has a relatively high thermal conductivity and low thermal expansion. It shows excellent resistance to chemical corrosion and abrasion.

## APPLICATION

**CUMIHEAT** AR / ABM is especially designed for manufacturing high alumina monolithic and shaped refractories for blast furnaces, foundry ladles, continuous casting furnaces, sintering furnaces, waste incineration plant, casting moulds etc....

## GRAIN SIZES AVAILABLE

AR (ASTM Sieves) : -3 ½ +7, 6/12, 12/36, 46/60, 80/120, & 150/F

ABM (ASTM Sieves) : 0-1mm, 1-3mm, 3-5mm, 5-10mm, -6+10, -8+16, -16+30, -30+60, and Fines.

Customer specific size can be supplied as request.

## TYPICAL PROPERTIES

Physical Properties		
Property	Unit	Value
Hardness	Mohs Scale	9
Specific gravity		3.94

Chemical composition	
Constituent	Value *
Al <sub>2</sub> O <sub>3</sub>	95.52 %
TiO <sub>2</sub>	2.73 %
SiO <sub>2</sub>	0.71 %
Fe <sub>2</sub> O <sub>3</sub>	0.26 %
CaO	0.78 %

\* Analyzed for Grit F 60

*Packing: 25 kg multiply paper bags of 1000 kg palletized. Other packaging types on request*

### General Inquiries:-

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