

WHITE FUSED ALUMINA

Product Information



WFA used for Refractories Application

White Fused Alumina is made from high-purity alumina powder fused in an electric arc furnace at above 2050°C.

It is a high strength, high hardness material with pure white color and sharp edges. WFA has high density, high hardness, excellent oxidation and corrosion resistance, good thermal shock resistance and chemical stability.

Due to its good properties, it's widely used to make Glass and advanced Ceramics products; Shaped refractories and unshaped refractories used in Steel, Foundries, Cement

industries Petrochemicals , Casting laminates and hundreds of other applications (such as corundum bricks, Steel-making long nozzles...

Blast furnace iron through castable, Ramming materials, Large-scale ladle casting materials)



Physical Properties

Crystal Structure	:	Alpha - Alumina
Shape	:	Cubic and Angular and Sharp
Color	:	Pure White
Melting Point	:	2150°C
Bulk Density	:	1.50-1.95g/cm ³
True Density	:	≥ 3.95g/cm ³
Mohs Hardness	:	≥9.2
Knoop Hardness	:	2200 - 2300kg/mm ²

Chemical Composition

Grade	Al ₂ O ₃	NA ₂ O	Fe ₂ O ₃	SiO ₂	BULK DENSITY
WA-R	99.4%Min	<0.3%	<0.10%	<0.10%	1.50-1.95g/cm ³

Available Grit Sizes

Macro sizes : 0-1mm,0.5-1 mm,1-2mm , 1-3mm, 2-3mm ,3-5mm, 5-8mm, 0-10mm,0-25mm...

Fine powder:

0-0.1mm, 0-0.2mm, 0-0.35mm,0-0.5mm,0.1-0.5mm,0.2-0.5mm

-200mesh, -325mesh..

Noted: Custom sizes and shaped are also available upon request.

Packaging

Standard Packaging:

- Big bags(1000kgs , 1250kgs, 1350kgs) with or without pallets;
- 20 or 25kg plastic.or paper bags, with or without pallets.

*Custom Packaging is available upon request



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