



## Great White Fused Alumina for Abrasives Applications

Great White, a superior variant of White Fused Alumina (WFA), is a high pure fused material manufactured in electric arc fusion furnace, using selective grade of Bayer alumina. Pore free microstructure of this variant imparts better grain properties suitable for abrasive applications such as Thin Wheels and Coated Abrasives.

### Characteristics

Parameter	CUMI GREAT WHITE
Color	White
Phase	$\alpha$ - Al <sub>2</sub> O <sub>3</sub>
Shape	Blocky for Bonded application
	Sharper for Coated application
Hardness (Knoop) - Typica	2150 kg/mm <sup>2</sup> @ 100gm



### Physical properties

For Bonded Application - F Grits

For Bonded Application - P Grits

Grit sizes	Loose Bulk Density (g/cm <sup>3</sup> )
F14	1.78 - 1.95
F16	1.78 - 1.95
F20	1.78 - 1.95
F24	1.80 - 1.90
F30	1.78 - 1.90
F36	1.79 - 1.89
F46	1.77 - 1.87
F54	1.74 - 1.84
F60	1.70 - 1.80

Grit sizes	Loose Bulk Density (g/cm <sup>3</sup> )
P36	1.65-1.80
P50	1.65-1.80
P60	1.65-1.69

Loose bulk density tested as per FEPA standard 44-1:2006.

Particle size distribution tested as per FEPA standard 42-1:2006



### Typical chemistry, wt%

Grit Size	Al <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	Na <sub>2</sub> O
F60	99.56%	0.01%	0.04%	0.036%	0.33%

### Packing and brands

25 kg / 50 kg bags & 1 MT jumbo bags (big-bags). Custom packing can be offered on request.