

## SPECIAL WHITE FUSED ALUMINA



### DESCRIPTION

Special White Fused Alumina produced by using the low sodium content alumina powder as raw material, in the electric arc furnace by more than 2100 degrees high temperature furnacing, meanwhile, with a unique process to further remove sodium. The final ingot makes crystal growth intact, high hardness, good strength. The grains are powders of it are perfectly for making high-grade vitrified grinding wheel, advanced ceramic and refractories.

### APPLICATIONS

**WA55** is angular, moderate bulk density. The vitrified abrasives made by it have good sharpness, durability and high grinding efficiency. It is used for the production of vitrified grinding wheels, and the processing of high carbon steel, alloy steel, quenched steel and other materials with high hardness and high expansion strength.

**WA58** is blocky, the particles are regular, neat, high bulk density, high toughness, high durability. It is suitable for making vitrified grinding wheels with good balance and uniform force.

### GRITS AVAILABLE: F12-F1200

*Customized sizes available upon request*

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	NaO <sub>2</sub>	SiO <sub>2</sub>
99.62	0.02	0.15	0.1

### TYPICAL PHYSICAL PROPERTIES

Mineral Composition	Alpha Alumina	Color	White
Mons' Hardness	≥9.0	Knoop Hardness	2200-2300
Melting Point	2000°C	Hydrophilicity (F46)	≤82mm
Specific Gravity	≥3.90	Toughness (F46)	41%

### TYPICAL BULK DENSITY

GRITS	BULK DENSITY	
	WA55	WA58
F16	1.80-1.90	1.87-1.97
F20	1.78-1.88	1.85-1.95
F22	1.77-1.87	1.84-1.94
F24	1.76-1.86	1.84-1.94
F30	1.74-1.84	1.82-1.92
F36	1.73-1.83	1.81-1.91
F40	1.72-1.82	1.80-1.90
F46	1.71-1.81	1.79-1.89
F54	1.69-1.79	1.77-1.87
F60	1.67-1.77	1.75-1.85
F70	1.66-1.76	1.74-1.84
F80	1.64-1.74	1.72-1.82
F90	1.62-1.72	1.70-1.79
F100	1.60-1.70	1.68-1.78
F120	1.57-1.67	1.65-1.75
F150	1.54-1.64	1.62-1.72
F180	1.51-1.61	1.59-1.69
F220	1.48-1.58	1.56-1.66