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## TECHNICAL DATA SHEET

**PRODUCT:** WHITE FUSED ALUMINA

**SIZE:**F80

White Fused alumina was made from the high quality alumina by melting above 2000 in the electric arc furnace and cooling. It is white with the main crystal phase  $\alpha$ -Al<sub>2</sub>O<sub>3</sub>.

### **AVERAGE CHEMICAL COMPOSITION(TYPICAL)**

Al <sub>2</sub> O <sub>3</sub>	≥99.5%
Na <sub>2</sub> O	≤0.35%
Fe <sub>2</sub> O <sub>3</sub>	≤0.06%
SiO <sub>2</sub>	≤0.05%
CaO	≤0.05%
MgO	≤0.03%
K <sub>2</sub> O	≤0.02%
LOI	≤0.10%

### **PHYSICAL PROPERTIES(TYPICAL)**

Specific Gravity	≥3.90g/cm <sup>3</sup>
Mohs Hardness	9.0
Bulk Density	1.75-1.95g/cm <sup>3</sup>
Melting Point	2250°C
Refractoriness	2100°C

### **PARTICLE SIZE DISTRIBUTION**

MESH	UM	RETAINED %
+50	+300	0
+70	+212	≤25
+80	+180	≥40
+80+100	+180+150	≥65
+80+100+120	+180+150+125	*
-120/PAN	-125	≤3

### **MAIN APPLICATIONS**

- Wet and dry blast media,grinding and polishing etc
- Bonded Abrasives and Coated abrasives
- Floor/Wall laminates,Wear-resistant
- Ceramic and Tiles,Ceramic filter plate,ceramic membrane etc
- Grinding wheels,Cup wheels,Whetstone,polishing pads etc

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**PACKAGING**:25kgs PVC bags+1MT big bag

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The shown values are typical characteristics of the material and shall not be used to prepare specifications. They are submitted to tolerances of the production and meet the present standard of technique. We reserve our right for changes within the scope of technical progress or internal improvement..