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## TECHNICAL DATA SHEET

**PRODUCT:**BROWN ALUMINUM OXIDE

**SIZE:**P800

Brown aluminum oxide is made from Calcined Bauxite. It is a hard and tough material, used in grinding wheels manufacturing (both vitrified and resin bonded) and coated products. These grains are also used for shot blasting and as polishing media.

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

|                                |            |
|--------------------------------|------------|
| Al <sub>2</sub> O <sub>3</sub> | 93.5-97.5% |
| TiO <sub>2</sub>               | 1.7-3.4%   |
| Fe <sub>2</sub> O <sub>3</sub> | ≤0.50%     |
| SiO <sub>2</sub>               | ≤2.00%     |
| CaO                            | ≤0.50%     |

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

|                  |                            |
|------------------|----------------------------|
| Specific Gravity | ≥3.90g/cm <sup>3</sup>     |
| Mohs Hardness    | 9.0                        |
| Bulk Density     | 1.53-1.99g/cm <sup>3</sup> |
| Melting Point    | 2250°C                     |
| Refractoriness   | 1900°C                     |

### **PARTICLE SIZE DISTRIBUTION**

|     | STANDARD VALUE(um) |
|-----|--------------------|
| D0  | ≤67.0              |
| D3  | ≤38.1              |
| D50 | 21.8±1.0           |
| D95 | ≥15.1              |

### **MAIN APPLICATIONS**

- Bonded Abrasives and Coated abrasives
- Wet and dry blast media,grinding and polishing etc
- PCB plate(PCBA,FPC,LED) blasting
- Polishing wax,Grinding stones,polishing pads etc
- removal of scale, rust and old coatings
- ceramics shapes
- Grinding wheels,Cup wheels etc
- brake and friction linings

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

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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..