



## WHITE FUSED ALUMINA F220 TECHNICAL DATA SHEET 白刚玉 F220 技术参数表

**PRODUCT/产品:** White Fused Alumina F220/白刚玉 F220

**CHEMICAL COMPOSITION/化学成分:**

| Item                           | Guarantee Value/保证值 (%) | Typical Value/典型值 (%) |
|--------------------------------|-------------------------|-----------------------|
| Al <sub>2</sub> O <sub>3</sub> | ≥99.2                   | 99.42                 |
| Fe <sub>2</sub> O <sub>3</sub> | ≤0.1                    | 0.04                  |
| SiO <sub>2</sub>               | ≤0.1                    | 0.05                  |
| Na <sub>2</sub> O              | ≤0.4                    | 0.28                  |
| MgO                            | ≤0.02                   | 0.02                  |
| CaO                            | ≤0.05                   | 0.04                  |
| K <sub>2</sub> O               | ≤0.03                   | 0.02                  |

**PHYSICAL PROPERTIES/物理指标:**

| Specific Weight/比重     | Hardness/硬度   | Bulk Density/堆积密度          | Melting Point/熔点 |
|------------------------|---------------|----------------------------|------------------|
| 3.95 g/cm <sup>3</sup> | 9.0Mohs scale | 1.48-1.58g/cm <sup>3</sup> | 2050°C           |

**PARTICLE SIZE DISTRIBUTION/粒度分布:**

| Grit 粒度           | Mesh#目数        | Mesh size(um)筛网尺寸 | Weight Standard(%)标准值 | Typical Value(%)典型值 |
|-------------------|----------------|-------------------|-----------------------|---------------------|
| Coarsest Grit 最粗粒 | +140           | 106               | 0                     | 0                   |
| Coarse Grit 粗粒    | +200           | 75                | Max. 15               | 5.5                 |
| Basic Grit 基本粒    | +230 +270      | 63 53             | Min. 40               | 52.2                |
| Mixed Grit 混合粒    | +230 +270 +325 | 63 53 45          | Min. 65               | 86.4                |
| Fine Grit 细粒      | /              | /                 | /                     | /                   |

**APPLICATIONS/应用场景:**

- Resin Bonded Abrasives and Vitriify Bonded Abrasives/ 树脂砂粒和陶瓷砂粒等固结磨具
- Wear Resistance Floor Coating and anti-slip material/ 耐磨地坪涂料和摩擦材料
- Alumina Ceramics/ 氧化铝陶瓷
- Refractory & Precision Casting/ 耐火材料和精密铸造壳型材料
- Blasting and grinding/ 喷砂和研磨