



## WHITE FUSED ALUMINA F120 TECHNICAL DATA SHEET 白刚玉 F120 技术参数表

**PRODUCT/产品:** White Fused Alumina F120/白刚玉 F120

**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                   | 99.48                 |
| 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                    | 0.25                  |
| MgO                            | ≤0.02                   | 0.01                  |
| CaO                            | ≤0.05                   | 0.03                  |
| K <sub>2</sub> O               | ≤0.03                   | 0.03                  |

**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 | 1.70-1.80g/cm <sup>3</sup> | 2050°C           |

**PARTICLE SIZE DISTRIBUTION/粒度分布:**

| Grit 粒度           | Mesh#目数   | Mesh size(um)<br>筛网尺寸 | Weight<br>Standard(%)标准<br>值 | Typical<br>Value(%)典型<br>值 |
|-------------------|-----------|-----------------------|------------------------------|----------------------------|
| Coarsest Grit 最粗粒 | +80       | 180                   | 0                            | 0                          |
| Coarse Grit 粗粒    | +120      | 125                   | Max. 20                      | 8.3                        |
| Basic Grit 基本粒    | +140      | 106                   | Min. 40                      | 47.9                       |
| Mixed Grit 混合粒    | +140 +170 | 106 90                | Min. 65                      | 83.6                       |
| Fine Grit 细粒      | -230      | 63                    | Max. 3                       | 1.0                        |

**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