



WHITE FUSED ALUMINA F180 TECHNICAL DATA SHEET 白刚玉 F180 技术参数表

PRODUCT/产品: White Fused Alumina F180/白刚玉 F180

CHEMICAL COMPOSITION/化学成分:

Item	Guarantee Value/保证值 (%)	Typical Value/典型值 (%)
Al ₂ O ₃	≥99.2	99.55
Fe ₂ O ₃	≤0.1	0.03
SiO ₂	≤0.1	0.05
Na ₂ O	≤0.4	0.24
MgO	≤0.02	0.01
CaO	≤0.05	0.02
K ₂ 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 ³	9.0Mohs scale	1.6-1.7g/cm ³	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	+120	125	0	0
Coarse Grit 粗粒	+170	90	Max. 15	8.6
Basic Grit 基本粒	+200 +230	75 63	Min. 40	51.6
Mixed Grit 混合粒	+200 +230 +270	75 63 53	Min. 65	81.8
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