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SICHENG ABRASIVES

## BROWN FUSED ALUMINA F20 TECHNICAL DATA SHEET 棕刚玉 F20 技术参数表

PRODUCT/产品: Brown Fused Alumina F20/棕刚玉 F20

### 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>	≥95	95.16
Fe <sub>2</sub> O <sub>3</sub>	≤0.3	0.18
SiO <sub>2</sub>	≤1.5	1.09
TiO <sub>2</sub>	≤3.0	2.68
CaO	≤0.45	0.36
Magnetic Content	≤0.05	0.035

### 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	1.78-1.87g/cm <sup>3</sup>	2050°C

### PARTICLE SIZE DISTRIBUTION/粒度分布:

Grit 粒度	Mesh#	Mesh size(um)	Weight Standard(%)	Typical Value(%)
Coarsest Grit 最粗粒	+12	1700	0	0
Coarse Grit 粗粒	+16	1180	Max. 20	6.7
Basic Grit 基本粒	+18	1000	Min. 45	56
Mixed Grit 混合粒	+18 +20	1000 850	Min. 70	87.8
Fine Grit 细粒	-25	710	Max. 3	0.3

### APPLICATIONS/应用场景:

- Bonded Abrasives/ 固结磨具
- Wear Resistance Floor/ 耐磨地坪
- Alumina Ceramics/ 氧化铝陶瓷
- Refractory/ 耐火材料
- Blasting/ 喷砂