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SICHENG ABRASIVES

## BROWN FUSED ALUMINA F54 TECHNICAL DATA SHEET 棕刚玉 F54 技术参数表

**PRODUCT/产品:** Brown Fused Alumina F54/棕刚玉 F54

### 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	95.28
Fe <sub>2</sub> O <sub>3</sub>	≤0.3	0.19
SiO <sub>2</sub>	≤1.2	0.95
TiO <sub>2</sub>	1.5-3.8	2.88
CaO	≤0.45	0.41
Magnetic Content	≤0.05	0.042

### 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	1.68-1.77g/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	+35	500	0	0
Coarse Grit 粗粒	+45	355	Max. 30	3.5
Basic Grit 基本粒	+50	300	Min. 40	52
Mixed Grit 混合粒	+50 +60	300 250	Min. 65	90.5
Fine Grit 细粒	-70	212	Max. 3	0.6

### 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