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SICHENG ABRASIVES

BROWN FUSED ALUMINA F14 TECHNICAL DATA SHEET 棕刚玉 F14 技术参数表

PRODUCT/产品: Brown Fused Alumina F14/棕刚玉 F14

CHEMICAL COMPOSITION/化学成分:

Item	Guarantee Value/保证值 (%)	Typical Value/典型值 (%)
Al ₂ O ₃	≥95	95.20
Fe ₂ O ₃	≤0.3	0.16
SiO ₂	≤1.5	0.86
TiO ₂	≤3.0	2.90
CaO	≤0.45	0.30
Magnetic Content	≤0.05	0.036

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	1.81-1.92g/cm ³	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	+8	2360	0	0
Coarse Grit 粗粒	+12	1700	Max. 20	6.2
Basic Grit 基本粒	+14	1400	Min. 45	43.0
Mixed Grit 混合粒	+14 +16	1400 1180	Min. 70	90.2
Fine Grit 细粒	-18	1000	Max. 3	1.0

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