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SICHENG ABRASIVES

BROWN FUSED ALUMINA F120 TECHNICAL DATA SHEET 棕刚玉 F120 技术参数表

PRODUCT/产品: Brown Fused Alumina F120/棕刚玉 F120

CHEMICAL COMPOSITION/化学成分:

Item	Guarantee Value/保证值 (%)	Typical Value/典型值 (%)
Al ₂ O ₃	≥94	94.36
Fe ₂ O ₃	≤0.3	0.22
SiO ₂	≤2.0	1.80
TiO ₂	1.50-4.0	2.73
CaO	≤0.50	0.36
Magnetic Content	≤0.045	0.04

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	1.53-1.67g/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	+80	180	0	0
Coarse Grit 粗粒	+120	125	Max. 20	9.8
Basic Grit 基本粒	+140	106	Min. 40	47
Mixed Grit 混合粒	+140 +170	106 90	Min. 65	78.5
Fine Grit 细粒	-230	63	Max. 3	0.4

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