



ZHENGZHOU HAIXU ABRASIVES CO.,LTD

郑州市海旭磨料有限公司

Add: Room 1903,Yaxing Time Plaza, Songshan Road,Erqi District,Zhengzhou City,Henan Province,China

Tel:+86-371-60900389 Fax:+86-371-60305637

Email: panchen@hxabrasive.com Emergency Telephone Number +86-13526538098

Http://gkscr2o3.com

CHROMITE SAND AFS60-65 TECHNICAL DATA SHEET

铬矿砂 AFS60-65 目技术参数表

PRODUCT/产品: Chromite Sand AFS60-65/铬矿砂 AFS60-65

FEATURE/特性:

High specific gravity, chilling, high refractory temperature, excellent thermal conductivity, anti-sand adhesion, good fluidity, and excellent overall resistance to molten steel.

比重高、激冷、耐火温度高、导热性能优良、防粘砂、流动性好、抗钢水侵蚀性优异。

CHEMICAL COMPOSITION/化学成分:

Item	Guarantee Value/保证值 (%)	Typical Value/典型值 (%)
Cr ₂ O ₃	≥46.0	46.62
SiO ₂	≤1.0	0.83
Fe ₂ O ₃	≤28	27.6
Al ₂ O ₃	≤15.5	15.2
MgO	≤10.0	9.6
CaO	≤0.3	0.2
P	≤0.003	/
S	≤0.003	/
Soil content/含泥量	≤0.1	/
Moisture/水分含量	≤0.1	/
L.O.I/烧失量	≤0.5	/

PHYSICAL PROPERTIES/物理指标:

Formula/化学式	(Fe,Mg)Cr ₂ O ₄
CAS NO./CAS 号	1308-38-9
Specific Weight/比重	4.0-4.8 g/ cm ³
Hardness/硬度	5.5-6.0Mohs scale
Sintering point/烧结温度	> 1800°C
Melting Point/熔点	2180°C
PH 值	7-9
Acid demand value/酸耗值(ADV)	≤5ML
Thermal expansion/热膨胀率(1000°C)	0.6%

Thermal conductivity/导热系数	0.63 W/M·K
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PARTICLE SIZE DISTRIBUTION(Typical)/粒度分布(典型值):

Mesh#目数	Mesh size(um)筛网尺寸	Typical Value(%)典型值
+50	300	15-18
+70	212	33-36
+100	150	30-35
+140	106	10-20
-140	106	0-2
AFS 细度值	60-65	

APPLICATIONS/用途:

- Surface sand and molding sand used in sand casting, no-bake sand, water glass resin sand and other casting processes./ 型砂铸造、呋喃树脂自硬砂、水玻璃树脂砂等铸造工艺的面砂和型砂。
- Resin coated casting sand./ 覆膜砂铸造。
- Core moulding sand./ 壳型铸造的芯砂。
- Foundry sand for heavy thick-walled castings, high manganese steel with high pouring temperature, and alloy steel castings./大型厚壁铸件、浇注温度高的高锰钢、合金钢铸件的铸造砂。
- Moulding sand and core sand for small and medium-sized castings such as stainless steel, carbon steel, high chromium carbon steel, and manganese steel./不锈钢、碳钢、高铬碳钢、锰钢等中小型铸件的型砂和芯砂。
- Raw material Well filer sand of ladle nozzle./钢水包水口的引流砂。
- Refractory aggregate./耐火骨料。

PACKAGE/包装:

1Ton/Jumbo bag/1吨/吨包

