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## CHROMITE SAND 40-70# TECHNICAL DATA SHEET 铬矿砂 40-70 目技术参数表

**PRODUCT/产品:** Chromite Sand 40-70# (AFS40-45) /铬矿砂 40-70 目

**FEATURE/特性:** 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 <sub>2</sub> O <sub>3</sub>	≥46.0	46.42
SiO <sub>2</sub>	≤1.0	0.86
Fe <sub>2</sub> O <sub>3</sub>	≤27.5	26.9
Al <sub>2</sub> O <sub>3</sub>	≤15.5	15.2
MgO	≤10.0	9.4
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 <sub>2</sub> O <sub>4</sub>
CAS NO./CAS 号	1308-38-9
Specific Weight/比重	4.0-4.8 g/cm <sup>3</sup>
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

**PARTICLE SIZE DISTRIBUTION/粒度分布:**

Mesh#目数	Mesh size(um)筛网尺寸	Typical Value(%)典型值
+40	425	23.3
+50	300	45.4
+70	212	18.1
+100	150	12.0
-100	150	1.1
<b>AFS 细度值</b>	<b>43.74</b>	

**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