

球形氧化铝 Spherical Alumina Powder

GAL系列 GAL Series >>>

产品概述 Product introduction

球形氧化铝是由不规则的高纯氧化铝经高温熔融喷射煅烧而成，后经筛分、提纯等工艺所得的一种氧化铝粉体材料。广泛应用于导热界面材料、导热工程塑料以及铝基覆铜板的填充剂。

Spherical alumina is a type of alumina powder material obtained by high-temperature melting, spraying and calcination of irregular high-purity alumina, followed by screening, purification and other processes. Widely used as a filler for thermal interface materials, thermal engineering plastics, and aluminum based copper clad panels.

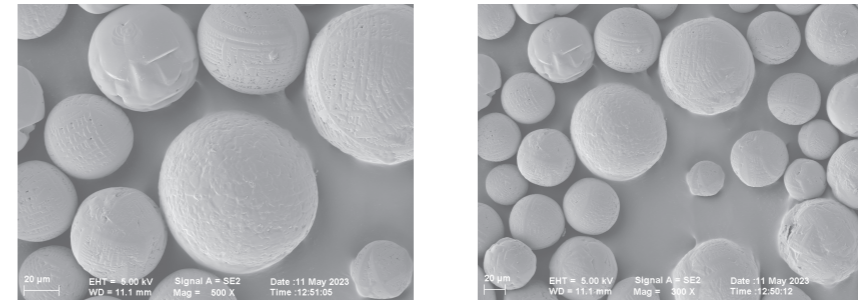
产品特点 Product features

- 高球化率、高填充率、高热导率
High spheroidization rate, high filling rate, high thermal conductivity
- 低离子含量
Low ion content
- 低吸油值，体系分散性好
Low oil absorption value, good system dispersion

产品参数 Product parameters

| 产品名称 Product name | 型号 Model No. | 白度 Whiteness | D50 (μm) | 球化率 Nodularity (%) | 电导率 Conductivity (Ec) | 比表面积 specific surface area (m^2/g) | 吸油量 Oil absorption (g/100g) | 密度 Density (g/cm^3) | 水份 Moisture (%) | pH | Al_2O_3 (%) | Na_2O (ppm) |
|----------------------------|-----------------|-----------------|--------------------------|--------------------------|-----------------------------|---|-----------------------------------|---|-----------------------|---------------|--------------------------------|--------------------------------|
| 球形氧化铝 Spherical alumina | GAL-5 | ≥ 90 | 6 ± 1.0 | ≥ 95 | ≤ 10 | ≤ 0.5 | ≤ 15 | 3.85 ± 0.1 | ≤ 0.2 | 7.5 ± 1.0 | ≥ 99.6 | ≤ 500 |
| | GAL-40 | ≥ 88 | 40 ± 5.0 | ≥ 95 | ≤ 10 | ≤ 0.2 | ≤ 15 | 3.85 ± 0.1 | ≤ 0.2 | 7.5 ± 1.0 | ≥ 99.6 | ≤ 500 |
| | GAL-70 | ≥ 88 | 70 ± 5.0 | ≥ 95 | ≤ 10 | ≤ 0.15 | ≤ 15 | 3.85 ± 0.1 | ≤ 0.2 | 7.5 ± 1.0 | ≥ 99.6 | ≤ 500 |

扫描电镜 SEM



应用领域 Application area

- 热界面材料填料
Thermal interface material filler.
- 导热工程塑料填料
Thermal conductive engineering plastic filler.
- 导热铝基覆铜板填料
Thermal conductive aluminum based copper clad plate filler.
- 氧化铝陶瓷过滤器
Alumina ceramic filter.

备注 Remarks

- 25KG/包，防潮PE内膜袋及塑编袋，也可根据客户需求定制。
25KG/bag, moisture-resistant PE inner membrane bag and plastic woven bag, can be customized according to customer needs.
- 保质期：24个月
Expiration date: 24 months