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旭阳铝粉

SUNRISE ALUMINIUM POWDER



如需了解产品详情请拨打
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公司简介 COMPANY PROFILE

旭阳新材创立于2002年，旗下拥有内蒙古旭阳、合肥旭阳、六安天易、铜陵诚易、铜陵兴易五大生产基地，是全球金属粉体及浆料行业头部企业。旭阳新材是全球铝粉、铝颜料头部供应商，未来3年致力于成为炭黑、锌粉、铝膏、铜金粉、合金粉、3D打印粉以及导电、导热、发热浆料全球头部供应商。

Founded in 2002, Sunrise New Materials has five major production bases in Inner Mongolia, Hefei, Lu'an, and Tongling. The company is a leading enterprise in global metallic powder and slurry industry. Sunrise New Materials is the world's leading supplier of aluminium powder and aluminium pigments and is committed to becoming a global leading supplier of carbon black, zinc powder, AAC aluminium paste, bronze powder, alloy powder, 3D printing powder, conductive slurry, thermally conductive slurry and heating slurry in the next three years.

旭阳新材生产：铝粉、铝颜料、炭黑、片状锌粉、铝膏、铜金粉、合金粉、3D打印粉，导电、导热、发热浆料等，其中铝粉、铝颜料国内市占率多年稳居第一，炭黑、片状锌粉、军工铝粉、铜金粉、合金粉、3D打印粉在国内市场、铝膏在国际市场上极具性能、成本优势。

Sunrise New Materials produces aluminium powder, aluminium pigments, carbon black, flake zinc powder, AAC aluminium paste, bronze powder, alloy powder, metallic powder for additive manufacturing, electrically conductive, thermally conductive, and heat-generating slurry, etc. The company has been the biggest aluminium powder and aluminium pigments producer in China for many years and its carbon black, flake zinc powder, bronze powder, alloy powder, metallic powder for additive manufacturing, and AAC aluminium paste has big advantages in performance and cost in domestic and global market.

旭阳新材拥有专业研发人员100多人，具备行业领先的研发核心竞争力和产能优势，可为客户提供产品高度定制化、应用检测、精准快速交货、售后服务24h快速响应等一揽子解决方案。

With more than 100 R&D staff, Sunrise New Materials has leading core competitiveness and advantage in capacity, enables the company provide customers with a package of solutions such as highly customized products, application testing, accurate and fast delivery, and 24-hour quick response after-sales service.

旭阳新材是全球铝粉、铝颜料头部供应商，未来3年致力于成为炭黑、片状锌粉、铝膏、铜金粉、合金粉、3D打印粉，导电、导热、发热浆料全球头部供应商。

Sunrise New Materials is the world's leading supplier of aluminium powder and aluminium pigments, and the company is committed to becoming the leading supplier of carbon black, flake zinc powder, AAC aluminium paste, bronze powder, alloy powder, metallic powder for additive manufacturing, metallic powder for additive manufacturing, electrically conductive, thermally conductive, and heat-generating slurry in the next 3 years.



公司资质 COMPANY CERTIFICATIONS



产品工艺 PRODUCT PROCESS

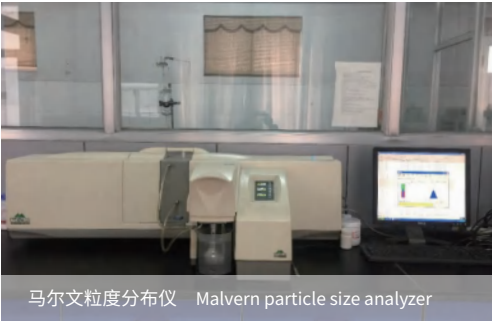
旭阳生产的氮气雾化球形铝粉，直接以铝水作为原材料，避免了二次熔铝对铝的破坏，满足了不同行业在活性铝、导电率、延展性、硬度等方面的需求。

The nitrogen atomized spherical aluminium powder produced by Sunruns, using aluminium liquid as raw material directly, avoids the destruction of aluminium by secondary melting aluminium, and meets the needs of different industries in active aluminium, conductivity, ductility, hard and so on.



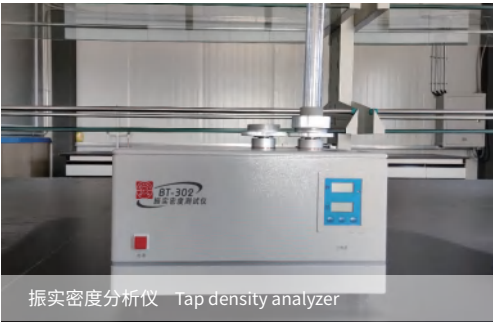
产品检测 PRODUCT TESTING

球形铝粉，即氮气雾化铝粉，执行标准为GB/T 2085.4-2014。
Spherical aluminium powder, namely nitrogen atomization aluminium powder. The executive standard is GB / T 2085.4-2014.





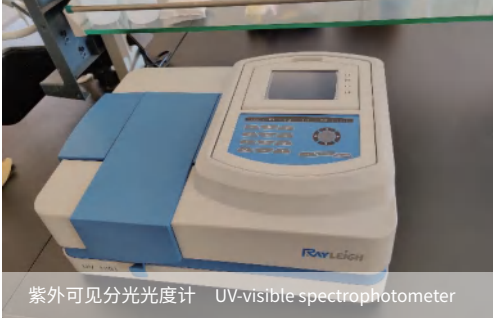
氧含量分析仪 Oxygen analyzer



振实密度分析仪 Tap density analyzer



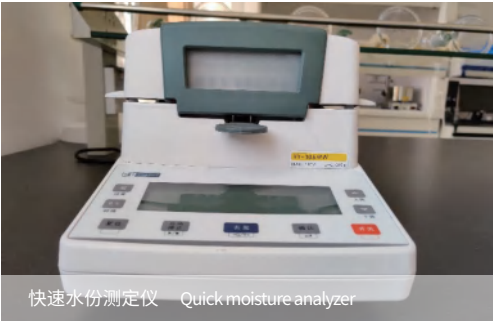
松装密度测定仪 Loose density tester



紫外可见分光光度计 UV-visible spectrophotometer



震摆式筛砂机 Shock pendulum sand sieving machine



快速水份测定仪 Quick moisture analyzer

检测项目 Test items	检测方法 Detection method	检测标准 Testing standards	检测仪器 Testing equipment
粒度分布 Particle size distribution	筛分法 Sieving method	YS/T 617.6-2007	震摆式筛砂机 Vibration type sand screen
	激光散射/衍射法 Laser scattering/diffraction method	YS/T 617.7-2007	粒度分布仪 Particle size distribution analyzer
活性铝 Active aluminium content	气体容量法 Gas volume method	YS/T 617.1-2007	玻璃仪器 Glassware
	氟化物置换络合滴定法 Fluoride displacement complexometric titration	YS/T 617.2-2007	玻璃仪器 Glassware
铁含量 Iron content	邻二氮杂菲分光光度法 Phenanthroline spectrophotometry	GB/T 20975.4-2008	紫外可见分光光度计 UV-visible spectrophotometer
	电感耦合等离子体原子发射光谱法 Inductively coupled plasma atomic emission spectrometry	GB/T 20975.25-2008	电感耦合等离子体原子发射光谱仪 Inductively coupled plasma atomic emission spectrometer
硅含量 Silicon content	钼蓝分光光度法 Molybdenum blue spectrophotometry	GB/T 20975.5-2008	紫外可见分光光度计 UV-visible spectrophotometer
	电感耦合等离子体原子发射光谱法 Inductively coupled plasma atomic emission spectrometry	GB/T 20975.25-2008	电感耦合等离子体原子发射光谱仪 Inductively coupled plasma atomic emission spectrometer
铜含量 Copper content	新亚铜灵分光光度法 New cuprous spectrophotometry	GB/T 20975.3-2008	紫外可见分光光度计 UV-visible spectrophotometer
	电感耦合等离子体原子发射光谱法 Inductively coupled plasma atomic emission spectrometry	GB/T 20975.25-2008	电感耦合等离子体原子发射光谱仪 Inductively coupled plasma atomic emission spectrometer
水份 Moisture content	干燥失重法 Loss on drying	YS/T 617.3-2007	鼓风干燥箱 Blast drying oven
振实密度 Tap density	振实密度的测定 Determination of tap density	GB/T 5162-2006	振实密度测定仪 Tap density tester
松装密度 Apparent density	斯科特容量计法 Scott volumetric method	GB/T 1479.2-2011	斯科特容量计 Scott capacity meter

产品系列 *PRODUCT SERIES*

球形铝粉
Spherical Aluminium Powder

产品简介
Product Introduction

外观:银白发灰色粉末,随粒度增加灰色减小,随粒度减小灰色增加。
镜观:扫描电镜下观察呈球形。

Appearance: Silver-white, gray powder, the grayness decreases with increasing particle size and increases with decreasing particle size.
Mirror view: It` s spherical powder under the view of scanning electron microscope.

产品特性
Characteristics

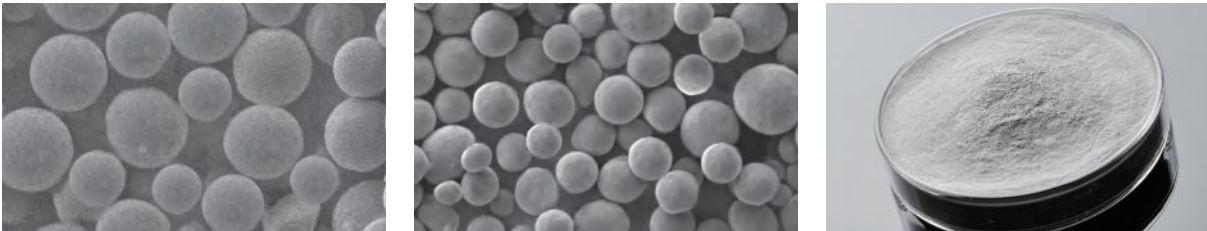
1. 粒度均匀、分布区间窄、振实密度高。

2. 球形度高、杂质少、活性铝98%以上。

3. 外观呈银灰色、水份含量极低、可长期存储。
1. Symmetrical particle size, narrow granularity of distribution and high tap density.

2. Good sphericity, low impurities content and over 98% of activated aluminium.

3. Silver-gray appearance, low moisture content, allowing long-term storage.



产品参数表
Product Parameters

中位径 D50-Value (μm)	振实密度≥ Tap density≥ (g/cm ³)	活性铝≥ Active aluminium content≥ (%)	杂质含量≤ Impurity content≤ (%)			
			铁 Fe	硅 Si	铜 Cu	水 H ₂ O
1-2	1.40	98.0	0.1	0.1	0.015	0.1
2-3	1.40	98.0	0.1	0.1	0.015	0.1
3-4	1.40	98.0	0.1	0.1	0.015	0.1
4-5	1.40	98.0	0.1	0.1	0.015	0.1
5-6	1.40	98.0	0.1	0.1	0.015	0.1
6-7	1.40	98.0	0.1	0.1	0.015	0.1
7-8	1.40	98.0	0.1	0.1	0.015	0.1
8-9	1.40	98.0	0.1	0.1	0.015	0.1
9-11	1.40	99.0	0.1	0.1	0.015	0.1
11-13	1.50	99.0	0.1	0.1	0.015	0.1
13-15	1.50	99.0	0.1	0.1	0.015	0.1
15-17	1.50	99.0	0.1	0.1	0.015	0.1
17-19	1.50	99.0	0.1	0.1	0.015	0.1
19-21	1.60	99.0	0.1	0.1	0.015	0.1
21-24	1.60	99.0	0.1	0.1	0.015	0.1
24-26	1.60	99.0	0.1	0.1	0.015	0.1
325 (目/Mesh)	1.60	99.0	0.1	0.1	0.015	0.1
200 (目/Mesh)	1.60	99.0	0.1	0.1	0.015	0.1

产品应用
Applications

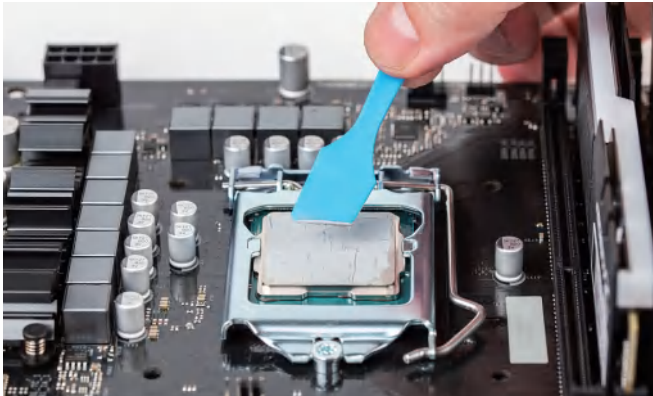
产品广泛应用于金属颜料、导热材料、耐火材料、军工行业、溅射靶材、自发热材料、高性能粉末冶金、太阳能光伏导电浆料。

The products are widely used in metallic pigments, thermal-conductivity materials, refractory materials, military industry, sputtering target materials, self-heating materials, high performance powder metallurgy and solar photovoltaic conductive pastes.

金属颜料
Metallic pigment



导热材料
Heat conduction materials



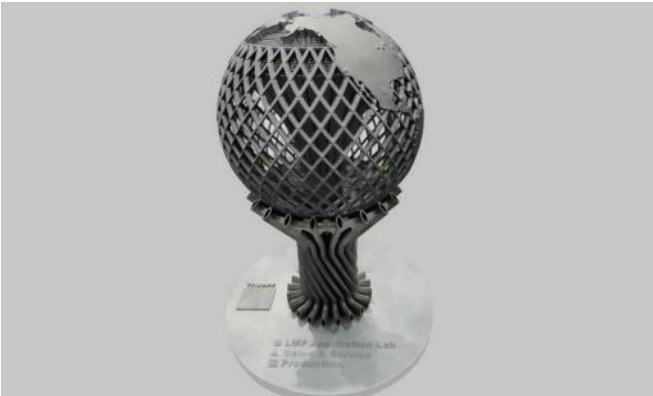
耐火材料
Refractory materials



溅射靶材
Sputtering target



3D打印材料
3D printing materials



自发热材料
Self-heating material



高性能粉末冶金
High performance powder metallurgy



太阳能光伏导电浆料
Solar photovoltaic conductive paste



军工铝粉
Military Aluminium Powder



产品特性
Characteristics

产品符合GJB1738A-2015特细铝粉规范, 产品具有活性铝含量高、振实密度大、水份含量低等特点。

The product conforms to the GJB1737A-2015 ultra-fine aluminium powder specification. The product has the characteristics of high active aluminium content, large tap density, and low moisture content.

性能参数表
Product Parameters

型号 Grade	粒径 Particle size (D50: μm)	活性铝≥ Active aluminium content≥ (%)	振实密度≥ Tap density≥ (g/cm³)	水份 Moisture content (%)
FLQT0	43±7	≥98.0	≥1.6	≤0.1%
FLQT1	29±3	≥98.0	≥1.6	≤0.1%
FLQT2	24±3	≥98.0	≥1.6	≤0.1%
FLQT3	13±2	≥98.0	≥1.5	≤0.1%
FLQT4	6±1.5	≥98.0	≥1.4	≤0.1%
FLQT5	2±1	≥97.0	≥1.4	≤0.1%

产品应用
Applications

军工、航天。
Military and aerospace industry.



军工行业
Military industry



航天行业
Aerospace industry

加气铝粉
Aluminium Powder For AAC

产品特性
Characteristics

本产品采用国标铝为原材料进行球磨生产, 产品具有活性铝含量高、发气速率均匀、易于分散、储存时间长等优点。
The product is produced by nitrogen-protected dry ball milling method, using national standard aluminium as the raw material. The products has the advantage of high proportion of activated aluminium, uniform rate of gas evolution, easy to disperse and long storage life, etc.

性能参数表
Product Parameters

型号 Grade	铝含量 Aluminium content (%)	中位径 D50 (μm)	200目筛余率 Screen analysis 200 mesh (%)	适用容重 Raw material class (kg/m³)
F9506	≥95	20-30	<2	500-600
F9505	≥95	10-15	<1	400-500
F9504	≥95	5-8	<0.5	300-400
F9502	≥95	3-5	<0.1	100-200
W9506	≥95	20-25	<2	500-600
W9505	≥95	10-15	<1	400-500

产品应用
Applications

AAC砌块、AAC板。

AAC block, AAC board.

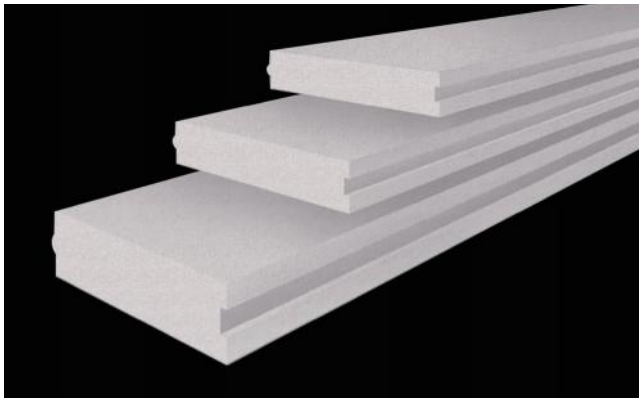
AAC砌块

AAC block



AAC板

AAC board



涂料铝粉
Paint Aluminium Powder

产品特性
Characteristics

本产品采用球形铝粉为原材料进行球磨生产，产品粒径分布均匀、白亮度好、光泽度良好、存储稳定性好。

This product is produced by nitrogen-protected dry ball milling, with uniform particle size distribution, good white brightness, good gloss, and good storage stability.

性能参数表
Product Parameters

根据加工工艺不同，片状铝粉在涂膜层中有两种不同的表现类型：漂浮型和非浮型。

According to different processing techniques, flake aluminium powder has two different performance types in the coating layer: leafing aluminium powder and Non-leafing aluminium powder.

01

漂浮型片状铝粉
Leafing Aluminium Powder

型号 Grade	粒径 Particle size (D50: μm)	松装密度 Apparent density (g/cm ³)	铝含量 Aluminium content (%)
F6006	5-7	0.12	95
F6008	7-9	0.13	97
F6010	9-11	0.14	97
F6012	11-15	0.14	97
F6018	16-20	0.15	97
F6022	20-24	0.15	97
F6026	24-28	0.16	97

02

非浮型片状铝粉
Non-leafing Aluminium Powder

型号 Grade	粒径 Particle size (D50: μm)	松装密度 Apparent density (g/cm ³)	铝含量 Aluminium content (%)
F8006	5-7	0.15	95
F8008	7-9	0.16	97
F8010	9-11	0.17	97
F8012	11-15	0.18	97
F8018	16-20	0.19	97
F8022	20-24	0.20	97
F8026	24-28	0.20	97

产品应用
Applications

家具装饰、塑料色母、油墨印刷、户外建材等。

Furniture decoration, plastic masterbatch, ink printing, outdoor building materials, etc.

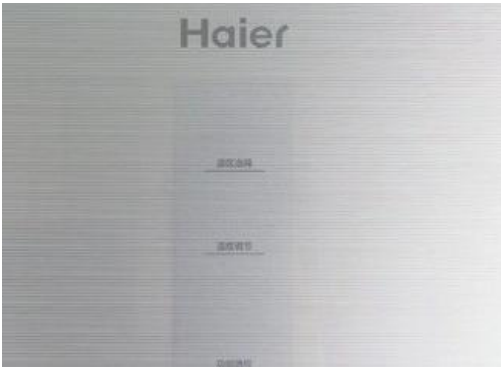
家具装饰
Furniture decoration



塑料色母
Plastic masterbatch



油墨印刷
Ink printing



户外建材
Outdoor building materials



运输与储存注意事项 *HANDLING & STORAGE*

- 1、本产品装卸时不得抛扔、剧烈碰撞，不可与氧化剂、酸类、卤素等混装混运，运输途中应防曝晒、雨淋、防高温等。
- 2、储存时，应与氧化剂、酸类、卤素等分开存放，远离火种、热源。库房应保持阴凉、干燥、通风良好，包装处于密封状态。

- 1. The products should avoid being thrown or bumped during handing. Do not mix with oxidant, acids or halogen. Prevent from sunshine, rainwater or high temperatures in transit.
- 2. The products should be stored in a cool dry and ventilated warehouse. Keep sealed packaging and keep away from fire, heat sources, oxidant, acids or halogen.