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COMPANY INTRODUCTION 公司简介

连云港金红矿业有限公司，位于江苏省连云港市东海县，是由知名国企参股合作的综合性大型矿山科技企业，集采矿、选矿、销售、科研于一体，年处理原矿60万吨，铁铝石榴石精矿30万吨，绿辉石精矿15万吨，金红石精矿1万吨（二氧化钛品味90%以上），钛铁精矿7000吨（二氧化钛品味40%以上）。

公司注册资金1.3亿元，总投资3亿多元；采矿设备先进，选矿工艺领先，石榴石生产规模同行业第一。

矿区占地500余亩，厂区占地200余亩；生产车间建筑面积2万多平方米，其它辅助设施约5000平方米；生活区占地30亩，建筑面积约6000平方米。

金红石精矿产品是生产高档优质金红石型钛白粉及钛金属加工的最佳原料，同时也是高档电焊条必需的原料之一。

铁铝石榴子石精矿产品俗称“天然金刚砂”，广泛用于水刀切割、喷砂除锈、抛光、滤料等多个行业。该项目石榴石精矿的规模产量将达到全球同行业第一，各项技术指标均将达到国际标准，填补国内高品质石榴子石精矿依赖进口的空白，同时也为向世界各国出口奠定基础，出口量将达到产能的50%。

公司将依托丰富的金红石、石榴子石资源，充分发挥自身技术优势，打造石榴子石加工产业集聚区，形成新型磨料产业基地。坚持以“开采方式科学化、资源利用高效化、企业管理规范化、生产工艺环保化、矿山环境生态化”为基本要求，全面推进“和谐矿区，绿色矿山”建设。



Lianyungang Jinhong Mining Co., Ltd. is located in Donghai County, Lianyungang City, Jiangsu Province, China. We are a large-scale minerals manufacturer, integrating mining, minerals separation, sales and scientific research, participated by a well-known state-owned enterprise. Our main products are Garnet, Rutile and Omphacite.

The company was founded in 2008, with registered capital of 20 million USD and a total investment of 50 million USD. We own over 300,000 m² mine, and over 130,000 m² plant area. The building area of our workshop is over 20,000 m² and auxiliary facilities cover about 5,000 m². The living area occupies 20,000 m² with construction area about 6,000 m².

We have the most advanced mining equipment and mineral separation technology, with top production capacity of garnet in the same industry, and its technical indicators have reached the international standard.

The company's annual processing capacity of ore is 600,000 tons, which includes:

10,000 tons of concentrated rutile, with titanium dioxide over 90%;

300,000 tons of concentrated garnet with almandine garnet over 90%;

150,000 tons of concentrated omphacite;

7,000 tons of ilmenite, with titanium dioxide over 40%.

Concentrated rutile is the best raw material for high grade rutile titanium dioxide and titanium metal. It is also one of necessary raw material for high-class welding electrodes.

Almandine is commonly known as "emery/corundum", which is widely used in water jet cutting, abrasive blasting, polishing and filter material etc. The output of our concentrated garnet ranks top in the same industry.

The quality of our products has reached international standard and replaced imported products in our domestic market. Our products have been exporting to many countries and regions all over the world, the export volume is about 50% of our output.

Based on the rich resources and advanced technology, our company is engaged in establishing garnet processing industry center and new garnet abrasives base. We stick to scientific mining, efficient use of resource, standardized management, green production, ecological mine environment protection, and aim to develop the mineral area harmoniously and environmentally friendly.

AGILITY
公司图片



LABORATORY
实验室



中国 高品质 矿产品制造商

Top Quality Minerals Manufacturer in China

ERTIFICATION 资质证书



PRODUCT DISPLAY
产品展示



ARNET SPECIFICATION
产品说明

我司严格控制加工、生产及运输每一步骤，保证高质量的石榴石产品。
公司配有专业的化实验室及检测人员，严格按照国际标准检测每一批货物的质量，保证产品质量优异稳定。

To insure high standard product quality and service, we adhere to strict control and management from production, packing to transportation. Equipped with special laboratory and inspection personnel, we ensure qualified garnet with consistence and stability according to ISO standard.



棱角锋利，高效、经济型磨料。生产过程无污染，环保健康，不含游离硅，杂质含量低。多道水洗和磁选工艺，保证高纯度，低杂质无毒无味无放射性。

Sharp Edge——Rock Garnet's unique characteristics

High Speed——Efficient and Economical Abrasive, compared to similar synthetic abrasive with similar hardness

Low Dust——5 times washing and 5 times magnetic separation ensuring very clean product with low dust generation

Non-contamination——only physical, no chemicals processing applied during production, safe and health, free silica, environmental friendly.

ARNET SPECIFICATION 产品说明

物理特性 Physical Characteristic

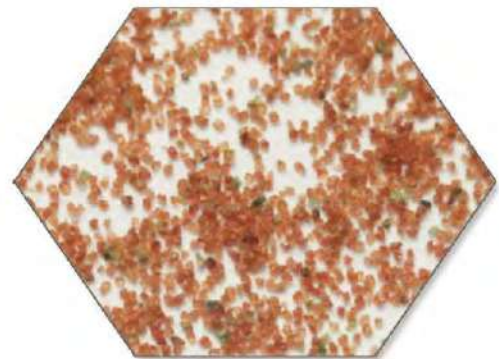
• 真密度 Specific Density	3.8–4.1 g/cm ³
• 堆积密度 Bulk Density	1.9–2.1 g/cm ³
• 硬度 Hardness	Mohs 7.5–8.0
• 氯化物含量 Chloride	< 25ppm
• 酸溶解度 Acid solubility(HCL)	< 1.0%
• 电导率 Conductivity	< 50 μs/cm
• 熔点 Melting point	1300 °C
• 粒形 Grain shape	sub angular

典型化学成分 Typical Chemical Composition

• Silica SiO ₂	39%
• Iron(Fe ₂ O ₃ + FeO)	25%
• Alumina Al ₂ O ₃	20%
• Magnesium MgO	5%
• Calcium CaO	9.5%
• Manganese MnO	< 0.3%
• Sodium Oxide Na ₂ O	< 0.3%
• Titanium oxide TiO ₂	1%

典型矿物分析 Typical Mineral Content

• 铁铝石榴石 Almandine Garnet	90–96%
• 钛铁矿 Ilmenite	1.0%
• 绿辉石 Omphacite	1.5%
• 金红石 Rutile	0.5%
• 石英 Quartz	< 0.1%
• 角闪石 Hornblende	< 0.5%
• 游离硅 Free Silica	< 0.1%



PRODUCT APPLICATION
产品用途



表面处理喷砂清洁 Garnet for Abrasive Blasting

Industry Application:

- Oil& Gas industry maintenance, & new constuction.
- Shipbuilding, Ship Repair Yards, Bridge building, Rail Tanker maintenance, etc.
- Denim Washing.

我司石榴石砂具有粒度均匀、比重高、磨料损耗量低、操作便利、安全、环保、废料处理成本低以及可循环重复利用等优点。目前，广泛应用于大型石油及化工企业，船坞及修船业，喷漆防腐处理业，布料砂洗业等。其特殊的细粒度产品可以用于其他的特殊的表面处理领域。比如铝行业，涡轮叶片行业，玻璃纤维行业等等。

For Blast Cleaning (surface preparation) before painting, garnet is ideal abrasive because of its high hardness and gravity, free silica and uniformity of particle size, with superior performance during blasting. And it can be recycled.

Different particle sizes is used to clean the surfaces with different roughness.

Now it is widely used in large-scale petroleum and chemical industries, shipyard and ship repair industry, paint spray and anti-corrosion treatment industry, cloth sand washing.....

Being crushed from hard rock, after 5 times wash and magnetic seperation, our garnet is with low chloride content (25ppm max.), cleaner, sharper and wide size range is available.

高压水切割 Garnet Abrasive for Waterjet Cutting



可切割主要材质 Cutting Materials

- 玻璃 Glass cutting
- 石材 Stone cutting
- 铝合金 Aluminum cutting
- 不锈钢 Stainless steel cutting
- 食品加工 Food processing equipment

优势 Advantage

- 颗粒大小均匀，切割面平整 Uniformity of particle size & cutting edge
- 颗粒大小控制科学，切割性能好，切割速度快 High cutting speed
- 颗粒纯度高，杂质少，切割环境好 High purity with good performance
- 配件磨损少，延长设备使用寿命，可以节约综合成本 Low parts wearing, extending service life of equipments as to save cost

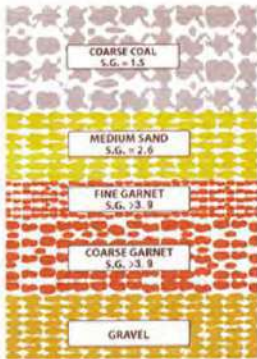
水切割级石榴石砂主要应用于超高压加砂水射流切割设备(俗称水刀)，超高压水以40000PSI(或以上)将石榴石砂从砂管射出形成水刀。它可切割各种硬质和软质材料包括不锈钢，大理石，橡胶等。精细级石榴石砂流动性好，广泛用于精密水切割。

Garnet is a natural mineral can be wed with water as waterjet cutting abrasive. Being crushed from hard almandine rock, it can be used like a sharp cutting tool with high speed and efficiency. We have produced a family of waterjet abrasives to cover the broad array of modern applications. 30-60 mesh, 50-80 mesh, 70-100 mesh, 100-120 mesh are widely used for cutting various materials like metal, stone, rubber, etc. Precise screening and uniform grains assures minium machine downtime or nozzle plugging.

PRODUCT APPLICATION
产品用途

水处理滤料

Garnet Medium for Water Filtration



水处理级石榴石砂可作化工、石油、制药等的水处理过滤介质。石榴石滤料多为铁铝石榴石，颜色以橙红，樱红为主，具有熔点高、比重大、耐酸、耐磨，硬度高，化学性能稳定等特点。本产品性能稳定，价格低廉，可替代价格昂贵的锰砂金刚砂滤料和其他进口原料。

Coarse grain of garnet is an ideal medium in water filtration systems for petrochemical&pharmaceutical industries. Durability and consistent grading is quite essential for water treatment. Garnet filtration medium provides uniform physical and steady chemical characteristics. It resets the filter bed more rapidly after the bed is back-flushed. Moreover, it is also effective for the elimination of heavy minerals. Garnet is widely used in a variety of filtration applications including industrial waste water treatment, water filtration, petrochemical industry and commercial filtration systems. Low price&durability enables it to replace high cost materials such like manganese sand.

常用规格 Main Sizes

• 0.3-0.6mm • 0.6-1.2mm • 1.2-2.4mm • 2.4-4.8mm

根据客户需要生产As request

涂覆磨料抛光

Garnet Powder for Coated Abrasive Polishing

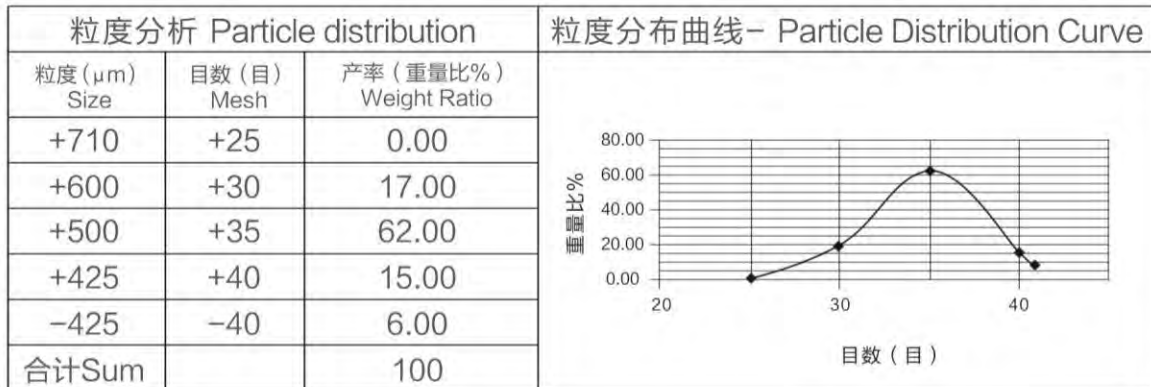
天然石榴石产品是以天然铁铝石榴石为原料，按现代工艺技术加工精制而成。由于该磨料硬度大。比重大，化学性质稳定及自锐性好，使它具备了其他磨料所不可替代的优势，特别适用于彩管玻壳、半导体硅片、水晶饰品玻璃、光学玻璃行业、仪器仪表、镜片加工的研磨加工；同时也是喷砂抛光、制造砂轮、高精度砂纸、砂布、研磨膏的理想材料。规格可按照客户要求制作。

Garnet powder is a economical, cost effective abrasive. It is used to produce a high-gloss finish on screens for silicon pellet, crystal or glass ornaments instruments meter, etc. Emery paper made out of garnet grains are mainly used for the surface preparation application for painting and removing of the foreign particles, which gives new life to surface preparation, especially for woodworking industry.

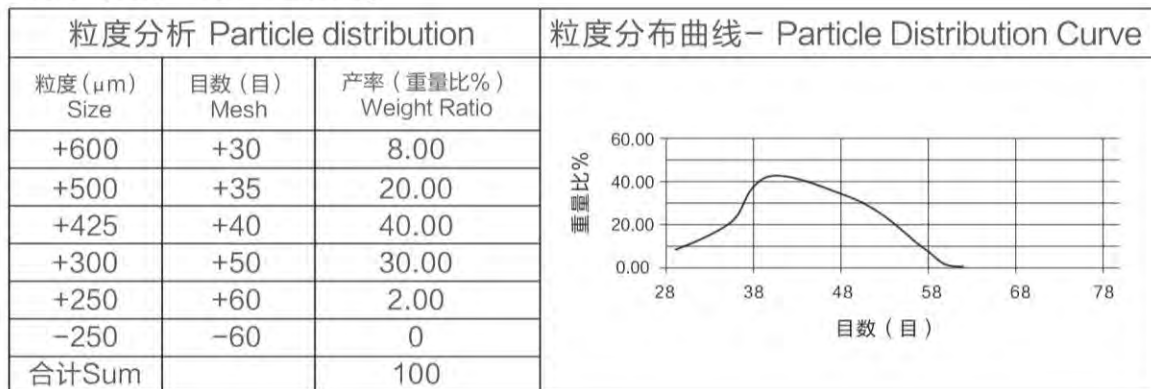


ARTICLE DISTRIBUTION AND CURVE 产品粒度分析及分布曲线图

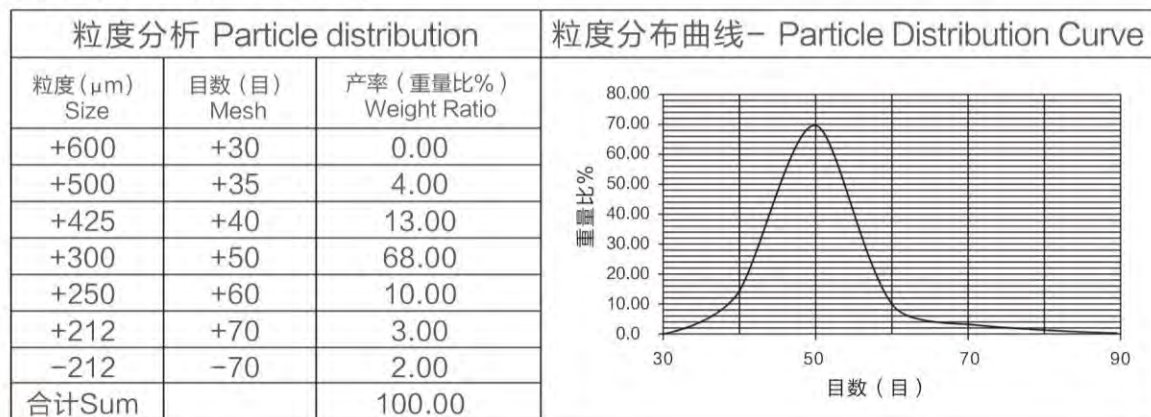
B24(20-40 mesh)



B60 (30-60 mesh)

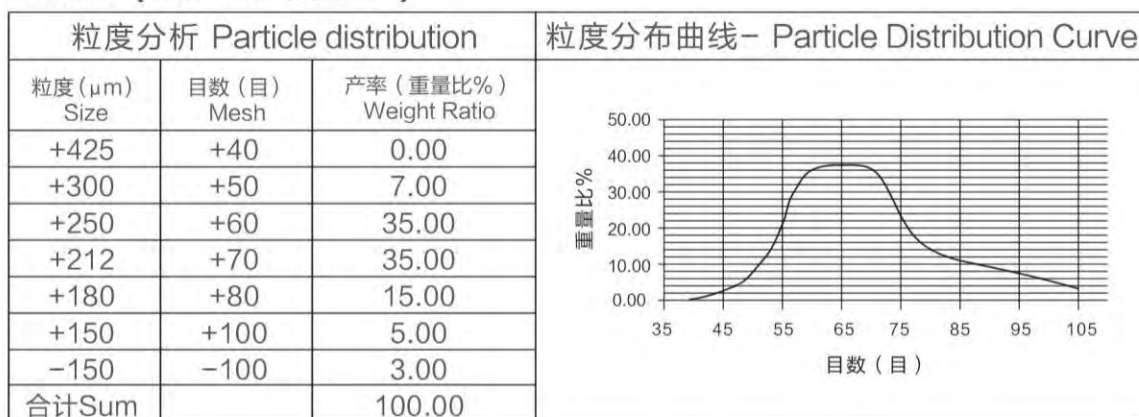


J60 (34-50 mesh)



ARTICLE DISTRIBUTION AND CURVE
产品粒度分析及分布曲线图

J80A (50-80 mesh)



J80 (70-100 mesh)



J120(80-140 mesh)

