

创新 · 绿色 · 卓越 · 责任

SILICA

二氧化硅

SiO₂

SiO₂

SiO₂

浙江新纳材料科技股份有限公司
Zhejiang Xinna Material Science
And Technology Co.,Ltd.

福建新纳正盛新材料股份有限公司
Fujian Xinna Zhengsheng New
Material Co., Ltd.

安徽新纳正盛新材料有限公司
Anhui Xinna Zhengsheng New
Material Co., Ltd.

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XINNA® 新纳 浙江新纳材料科技股份有限公司
Zhejiang Xinna Material Science And Technology Co.,Ltd.

ABOUT US

走进新纳

浙江新纳材料科技股份有限公司，前身于1994年成立，横店集团成员企业，公司总部座落于享有“中国好莱坞”之美誉的浙江省东阳市横店镇。下属福建新纳正盛是纳米二氧化硅领域的国家标准制定者之一。凭借其研发、生产、销售的一体化模式，公司享有国家级高新技术企业、上市培育企业及中国硅化物产业基地等荣誉称号。

Zhejiang Xinna Material Technology Co., Ltd., originally established in 1994 as a member of the Hengdian Group, is headquartered in Hengdian Town, Dongyang City, Zhejiang Province, known as "Chinese Hollywood." Its subsidiary, Fujian Xinna Zhengsheng, is one of the national standard setters in the field of nano silicon dioxide. With its integrated model of research and development, production, and sales, the company has been honored with titles such as National High-Tech Enterprise, Listed Cultivation Enterprise, and China Silicide Industry Base.

在二氧化硅产业中，公司不断扩张版图，旗下拥有包括浙江新纳材料科技股份有限公司二氧化硅厂、福建新纳正盛新材料股份有限公司和安徽新纳正盛新材料有限公司等关键生产实体。

In the silicon dioxide industry, the company continuously expands its territory, owning key production entities including Silica Factory of Zhejiang Xinna Material Science And Technology Co., Ltd., Fujian Xinna Zhengsheng New Material Co., Ltd., and Anhui Xinna Zhengsheng New Material Co., Ltd.

在资源控制方面，公司参与石英砂矿的投资，并拥有两条高效硅酸钠生产线。在成品制造上，通过多条专业二氧化硅生产线，能够生产出符合不同性能指标的高品质二氧化硅，建立了从原材料到成品的完整产业链。此外，公司还可根据客户个性化需求，提供专业的定制产品服务，产品销往欧美、拉美、东南亚、东北亚、中东等70多个国家和地区。

In terms of resource control, the company participates in the investment of quartz sand mines and possesses two high-efficiency sodium silicate production lines. In finished product manufacturing, through multiple professional silicon dioxide production lines, the company can produce high-quality silicon dioxide that meets different performance indicators, establishing a complete industrial chain from raw materials to finished products. Additionally, the company can provide professional customized product services according to individual customer needs, with products sold to more than 70 countries and regions including Europe, America, Latin America, Southeast Asia, Northeast Asia, and the Middle East.

浙江新纳材料科技股份有限公司

Zhejiang Xinna Material Science And Technology Co., Ltd.

浙江新纳材料科技股份有限
公司二氧化硅厂
Silica Factory of Zhejiang
Xinna Material Science And
Technology Co., Ltd.

福建新纳正盛新材料股份
有限公司
Fujian Xinna Zhengsheng
New Material Co., Ltd.

安徽新纳正盛新材料有限公司
Anhui Xinna Zhengsheng New
Material Co., Ltd.

福建省漳平市正昌新材料有限公司
Fujian Zhangping Zhengchang New material Co., LTD

合计二氧化硅产能15.5万吨 The total silica production capacity is 155,000 tons.

注：本文所称“新纳科技”“公司”，指浙江新纳材料科技股份有限公司、浙江新纳材料科技股份有限公司二氧化硅厂、福建新纳正盛新材料股份有限公司和安徽新纳正盛新材料有限公司等之一公司或统称。

Note: The terms "Xinna Technology" and "the Company" referred to in this text indicate one or collectively all of Zhejiang Xinna Material Science And Technology Co., Ltd., Silica Factory of Zhejiang Xinna Material Science And Technology Co., Ltd., Fujian Xinna Zhengsheng New Material Co., Ltd., and Anhui Xinna Zhengsheng New Material Co., Ltd..

前身于1994年成立
It was founded in 1994

1994

工厂占地面积300,000平方米
The factory covers an area of
300,000 square meters

300,000+

二氧化硅产能规模达15.5万吨
Silica production capaci-
ty reached 155,000 tons

155000+

团队人数超过700余人
The team has more
than 700 people

700+

HONOR

荣誉资质

新纳科技,作为中国无机盐工业协会认定的“中国硅化物产业基地”,是分散二氧化硅国家标准制定者之一。荣获国家高新技术企业、国家科技型中小企业、国家标准创新型企业等称号,并在EcoVadis可持续发展评级中获铜牌奖章。公司还被评定为浙江省新纳科技纳米新材料高新技术企业研发中心、浙江省专精特新中小企业、浙江省清洁生产阶段性成果企业、浙江省节水型企业、福建省专精特新中小企业、福建省企业技术中心、福建省企业工程技术研究中心、安徽省战略新兴企业、安徽省诚信用工示范企业等。

Xinna Technology, as the "China silicide Industry Base" recognized by China Inorganic Salt Industry Association, is one of the national standard makers of highly dispersed silica. It has won the title of National high-tech enterprise, national science and technology small and medium-sized enterprise, national standard innovative enterprise, etc., and won the bronze medal in EcoVadis sustainable development rating. The company has also been evaluated as the Research and development Center of Zhejiang Xinna Technology Nano New Material high-tech enterprises, Zhejiang Province specialized and special new small and medium-sized enterprises, Zhejiang Province clean production stage achievement enterprises, Zhejiang Province water-saving enterprises, Fujian Province specialized and special new small and medium-sized enterprises, Fujian Enterprise Technology Center, Fujian Enterprise Engineering Technology Research Center, Anhui Province strategic emerging enterprises, Anhui Province integrity employment Demonstration enterprises, etc.

荣获420余项荣誉、专利
Won more than 420
honors, patents

420+

公司拥有完善的QEHS管理体系,已取得国际汽车行业质量管理体系IATF16949、质量管理体系认证ISO9001、环境管理体系ISO14001、职业健康安全管理体系ISO45001,以及欧洲饲料安全管理体系FAMI-QS、饲料添加剂生产许可证、食品添加剂生产许可证等证书,公司还通过了欧盟REACH法规的正式注册,展示了对环境和产品安全的全面承诺,产品品质优于国家行业标准。

The company possesses a comprehensive QEHS management system and has obtained certifications such as the international automotive industry quality management system IATF16949, quality management system ISO9001, environmental management system ISO14001, occupational health and safety management system ISO45001, as well as the European feed safety management system FAMI-QS, feed additive production license, food additive production license, and other certificates. The company has also formally registered under the EU REACH regulation, demonstrating a comprehensive commitment to environmental and product safety, with product quality surpassing national industry standards.

浙江省博士后工作站
Zhejiang Province Postdoctoral Workstation

福建省博士后创新实践基地
Fujian Province Postdoctoral Innovation Practice Base

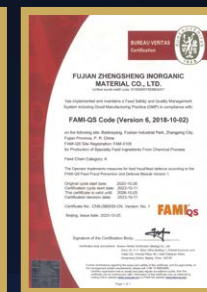
安徽省滁州市博士创新工作站
Chuzhou City, Anhui Province Doctoral Innovation Workstation

国家标准 橡胶配合剂 National Standard Rubber Compounding Agent

- 分散沉淀水合二氧化硅
High Dispersion Precipitated Hydrated Silica
- 沉淀水合二氧化硅在溶聚丁苯橡胶(S-SBR)和丁二烯橡胶(BR)混合物中的评价方法
Evaluation Method of Precipitated Hydrated Silica in Styrene-Butadiene Rubber (S-SBR) and Butadiene Rubber (BR) Mixtures
- 沉淀水合二氧化硅粒度分布的测定 激光衍射法
Determination of Particle Size Distribution of Precipitated Hydrated Silica by Laser Diffraction Method
- 沉淀水合二氧化硅比表面积的测定CTAB法
Determination of Specific Surface Area of Precipitated Hydrated Silica by CTAB Method
- 沉淀水合二氧化硅水可溶物含量的测定电导率法
Determination of Water-Soluble Content of Precipitated Hydrated Silica by Conductivity Method
- 沉淀水合二氧化硅电感耦合等离子体原子发射光谱仪测定重金属含量
Determination of Heavy Metal Content in Precipitated Hydrated Silica by Inductively Coupled Plasma Atomic Emission Spectroscopy
- 更多荣誉
More Accolades.

发明专利 Invention Patent

- 一种化学包覆式疏水性白炭黑的制备方法
Preparation Method of Chemically Coated Hydrophobic Fumed Silica
- 一种绿色轮胎用功能性白炭黑的制备方法
Preparation Method of Functional Fumed Silica for Green Tires
- 一种高比表大孔容白炭黑的制备方法
Preparation Method of High Specific Surface Area and Large Pore Volume Fumed Silica
- 一种具有特定形状的颜料颗粒二氧化硅的制备方法
Preparation Method of Pigment Particle Silica with Specific Shape
- 高分散沉淀水合二氧化硅
High Dispersion Precipitated Hydrated Silica
- 高分散沉淀水合二氧化硅
High Dispersion Precipitated Hydrated Silica
- 一种蓄电池PE隔板用二氧化硅的制备方法
Preparation Method of Silica for Battery PE Separator
- 一种饲料添加剂用白炭黑的制备方法
Preparation Method of Fumed Silica for Feed Additives
- 一种保温隔热用二氧化硅气凝胶的制备方法
Preparation Method of Silica Aerogel for Thermal Insulation
- 一种绿色轮胎用高分散白炭黑的制备方法
Preparation Method of Highly Dispersed Fumed Silica for Green Tires
- 一种高抗黄变硅橡胶用白炭黑的制备方法
Preparation Method of Fumed Silica for High Anti-Yellowing Silicone Rubber
- 一种高结构高比表高分散白炭黑的制备方法
Preparation Method of High Structure, High Specific Surface Area, and High Dispersion Fumed Silica
- 一种低吸油、低比表面积二氧化硅的制备方法
Preparation Method of Low Oil Absorption, Low Specific Surface Area Silica Dispersion Fumed Silica
- 更多专利
More Patents.



SALES NETWORK

销售网络

跨越山海，我们的产品远销欧美、拉美、东南亚、东北亚、中东等70多个国家和地区，构建起一张覆盖全球的销售网络。在这张地图上，每一次合作都见证了我们的定制服务的专业与贴心。以地图为鉴，以战略为引，正稳步前行在硅基产业的征途上。我们坚信，通过不懈努力和持续创新，定能在全球硅业版图上留下更加辉煌的印记。

Across the mountains and oceans, our products are exported to Europe, America, Latin America, Southeast Asia, Northeast Asia, the Middle East and other more than 70 countries and regions, to build a global sales network. On this map, every cooperation bears witness to the professionalism and caring of our customized services. Taking the map as a guide and the strategy as a guide, it is steadily moving forward on the journey of the silicon-based industry. We firmly believe that through unremitting efforts and continuous innovation, we will be able to leave a more brilliant mark on the global silicon industry.

70+[↑]

产品销往欧美、拉美、东南亚、东北亚、中东等70多个国家和地区。

Products are sold to Europe, America, Latin America, Southeast Asia, Northeast Asia, the Middle East and other more than 70 countries and regions.



R&D INNOVATE

研发创新

新纳科技,以研发与创新为核心动力,积极与厦门大学、青岛科技大学等多所高校和研究院携手,共同构建了技术创新的战略合作关系。这一战略布局,不仅催生了源源不断的新产品,而且为公司的科技创新提供了坚实的基石,从而显著提升了企业的核心竞争力。

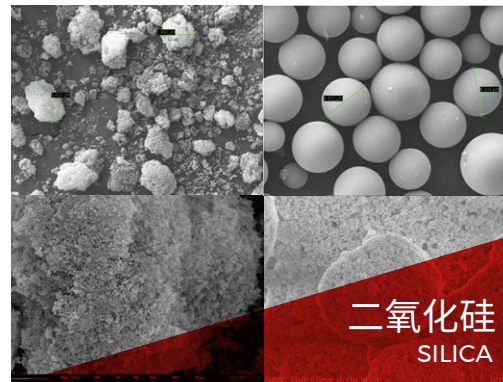
Xinna Technology, with R&D and innovation as its core driving force, actively collaborates with multiple universities and research institutes such as Xiamen University and Qingdao University of Science and Technology to build deep cooperative relationships for technological innovation. This strategic layout not only generates a continuous stream of new products but also provides a solid foundation for the company's technological innovation, significantly enhancing the company's core competitiveness.

公司汇聚了一批在行业内享有盛誉的科研专家,技术团队规模已超过100人。新纳科技专注于为市场提供高度专业的二氧化硅解决方案,针对客户多样化的需求,提供定制化的配方优化、精准检测与深入分析,助力客户塑造独树一帜的竞争优势,成为备受客户信赖的合作伙伴。

The company has gathered a group of highly reputed scientific research experts in the industry, with the technical team exceeding 100 members. Xinna Technology focuses on providing highly professional silicon dioxide solutions for the market, offering customized formula optimization, precise testing, and in-depth analysis to meet customers' diverse needs, helping them to create unique competitive advantages and becoming a trusted partner for customers.

100+

技术团队规模已超过100人
The technical team size has exceeded 100 people



二氧化硅
SILICA



生产线
PRODUCTION LINE



机械臂
MECHANICAL ARM

为了进一步推动研发与创新,新纳科技还建立了浙江省博士后工作站、福建省博士后创新实践基地、滁州市博士创新工作站等高端人才平台。这些平台不仅吸引了众多优秀人才的加入,更为公司的科研创新注入了强大的活力。

To further promote R&D and innovation, Xinna Technology has also established high-end talent platforms such as the Zhejiang Postdoctoral Workstation, Fujian Postdoctoral Innovation Practice Base, and Chuzhou Doctoral Innovation Workstation. These platforms not only attract numerous talented individuals but also inject strong vitality into the company's scientific research and innovation.

新纳科技二氧化硅研究所更是研发实力的体现,下设有分研究所3个、硅橡胶应用实验室3个、轮胎应用实验室1个、鞋业应用实验室1个、涂料应用实验室1个、微生物实验室1个,以及二氧化硅小实验线2条、小试生产线1条、中试生产线1条。这一整套完善的研发生产体系,确保了从实验探索到产品生产的高效转化,进一步强化了公司在二氧化硅领域的领先地位。

The Xinna Technology Silicon Dioxide Research Institute is a testament to the company's R&D strength, comprising three sub-research institutes, three silicone rubber application laboratories, one tire application laboratory, one footwear application laboratory, one coating application laboratory, along with two small-scale experimental lines for silicon dioxide, one pilot production line, and one medium-scale production line. This comprehensive R&D production system ensures efficient transformation from experimental exploration to product production, further strengthening the company's leading position in the field of silicon dioxide.

截止到2023年12月底,公司拥有二氧化硅相关专利138项,其中发明专利24项、实用新型专利114项,相关专利覆盖了二氧化硅的生产制造技术、工艺及核心生产设备等各个方面,同时,还拥有高分散二氧化硅的关键生产技术。

By the end of December 2023, the company holds 138 patents related to silicon dioxide, including 24 invention patents and 114 utility model patents, covering various aspects of silicon dioxide manufacturing technology, processes, and core production equipment. Moreover, it possesses key production technologies for high-dispersion silicon dioxide.

APPLICATION AREA

应用领域



超细粉状
ULTRAFINE POWDER



粉末状
POWDERY



微珠状
MICRO-PEARL



颗粒状
GRANULAR

PACKAGING

形态包装

根据不同应用领域的需求,公司提供超细状、粉末状、微珠状和颗粒状等各种形态的产品。同时,为了最大程度满足全球客户在包装方面的需求,公司还提供多种包装选择,包括阀口袋、编织袋、纸袋、吨袋和EVA袋等,并且可以选择原木、塑料或胶合板托盘。

According to the needs of different application areas, the company offers products in various forms such as ultrafine, powdered, microbead, and granular. Furthermore, to fully meet global customers' packaging requirements, the company provides a variety of packaging options including valve bags, woven bags, paper bags, ton bags, and EVA bags, with choices of wooden pallets, plastic pallets, or plywood pallets.



PRODUCT CENTER

产品中心

传统型二氧化硅 CONVENTIONAL SILICA

项目ITEM	型号MODEL					
	ZC-195	ZC-185	ZC-175	ZC-165	ZC-140	ZC-120
外观 Appearance	粉状 Powder					
比表面积(BET), m ² /g Specific surface area(BET)	190±15	180±15	170±15	160±15	140±15	120±15
加热减量(105°C 2h), % Heating loss	4.0-8.0	4.0-8.0	4.0-8.0	4.0-8.0	4.0-8.0	4.0-8.0
灼烧减量(1000°C 2h), % Ignition loss	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0
DBP吸收值, cm ³ /g DBP absorption	2.00-2.80	2.00-2.80	2.00-2.80	2.00-2.80	2.00-2.80	2.00-2.80
45μm筛余物, % 45μm Sieve residue	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
pH值(5%悬浮液) pH(5% Suspension)	6.0-8.0	6.0-8.0	6.0-8.0	6.0-8.0	6.0-8.0	6.0-8.0
二氧化硅(灼烧后), % SiO ₂ (After igniting loss)	≥97.0	≥97.0	≥97.0	≥97.0	≥97.0	≥97.0
硫酸盐, % Saltas Na ₂ SO ₄	≤2.0	≤2.0	≤2.0	≤2.0	≤2.0	≤2.0
堆积密度, g/L Bulk density	170-240	170-240	170-240	170-240	170-240	170-240

在橡胶中有较强的补强性能, 广泛应用于轮胎、鞋类、塑胶跑道和其它橡胶制品; 在饲料中作为饲料防霉剂、酸化剂、抗结块剂等载体, 起到吸附、抗结块等作用; 用于农药, 在可湿性粉末(WP)和可水分散性颗粒(WG)中起到助流、抗结块的作用; 在空心玻璃微珠中主要作为填充料使用。

应用特性

Use characteristic

In rubber, it has strong reinforcing performance and is widely used in tires, footwear, plastic runways, and other rubber products; in feed, it serves as a carrier for feed antifungal agents, acidifiers, anti-caking agents, etc., playing roles in adsorption and anti-caking; for pesticides, it acts as a flow aid and anti-caking agent in wettable powder (WP) and water-dispersible granules (WG); in hollow glass microspheres, it is primarily used as a filler.

牙膏用二氧化硅 SILICA FOR TOOTHPASTE

项目ITEM	型号MODEL				
	ZH-OC120	ZH-OC220	ZH-OC330	ZH-OC420	ZH-OC480
105°C挥发物, % Loss on drying (105°C)	≤10	≤10	≤10	≤10	≤10
pH 5% Aqueous solution	6.0-8.5	6.0-8.5	6.5-8.5	6.5-8.5	6.5-8.5
总盐(Na ₂ SO ₄ +NaCl), % total salts(Na ₂ SO ₄ +NaCl)	≤2	≤2	≤2	≤2	≤2
二氧化硅含量, % SiO ₂ Content	≥96	≥96	≥96	≥96	≥96
铁含量, mg/kg Fe Content	≤350	≤350	≤350	≤350	≤350
硫化物 Sulfide	/	/	/	/	/
筛下物325目, % Pass on sieve 325	≥98	≥98	≥98	≥98	≥98
吸水量, mL/20g Water absorption	8-16	17-23	30-36	40-45	44-60
表观密度, g/mL Apparent density	≥0.4	≥0.3	0.2-0.3	<0.2	<0.2
折光率 Refractive index	/	/	1.435-1.460	1.435-1.460	1.435-1.460
透光率, % Transparent index	/	/	≥90	≥90	≥90
白度(WG), % Whiteness	≥96	≥96	≥97	≥98	≥98
重金属(以Pb计), mg/kg Heavy metal as Pb	≤15	≤15	≤15	≤15	≤15
砷, mg/kg Arsenic	≤3	≤3	≤3	≤3	≤3
细菌总数, cfu/g Aerobic bacterial count	≤200	≤200	≤200	≤200	≤200
霉菌与酵母总数, cfu/g Mold&yeast	≤100	≤100	≤100	≤100	≤100
粪大肠菌群, cfu/g Thermotolerant coliform bacteria	不应检出 /Negative	不应检出 /Negative	不应检出 /Negative	不应检出 /Negative	不应检出 /Negative
铜绿假单胞菌, cfu/g Pseudomonas aeruginosa	不应检出 /Negative	不应检出 /Negative	不应检出 /Negative	不应检出 /Negative	不应检出 /Negative
金黄色葡萄球菌, cfu/g S.aureus	不应检出 /Negative	不应检出 /Negative	不应检出 /Negative	不应检出 /Negative	不应检出 /Negative

应用特性

Use characteristic

具备多种粘度、透明度、摩擦值, 给牙膏复配体系带来更多的选择。产品纯度高, 无异物, 卫生指标严格, 是各类牙膏良好的增稠剂/摩擦剂。

Multiple viscosities, transparency, and friction values, provide more choices for toothpaste compounding systems. The product has high purity, no foreign objects, and strict hygiene indicators, making it an excellent thickener/friction agent for various types of toothpaste.

ENVIRONMENTALLY PROTECTION&DUSTLESS SILICA 环保无尘型二氧化硅 ①

型号MODEL	ZC-195GR	ZC-185GR	ZC-175GR	ZC-165GR	ZC-140GR	ZC-120GR
外观 Appearance	颗粒状 Granular					
比表面积(BET), m ² /g Specific surface area(BET)	190±15	180±15	170±15	160±15	140±15	120±15
比表面积(CTAB), m ² /g Specific surface area(CTAB)	155±15	150±15	145±15	140±15	125±15	115±15
60目筛余物, % 60 Mesh sieve residue	≥75	≥75	≥75	≥75	≥75	≥75
二氧化硅(灼烧后), % SiO ₂ (After igniting loss)	≥97.0	≥97.0	≥97.0	≥97.0	≥97.0	≥97.0
加热减量(105°C 2h), % Heating loss	4.0-8.0	4.0-8.0	4.0-8.0	4.0-8.0	4.0-8.0	4.0-8.0
灼烧减量(1000°C 2h), % Ignition loss	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0
pH值(5%悬浮液) pH(5% Suspension)	6.0-8.0	6.0-8.0	6.0-8.0	6.0-8.0	6.0-8.0	6.0-8.0
DBP吸收值, cm ³ /g DBP absorption	2.00-2.80	2.00-2.80	2.00-2.80	2.00-2.80	2.00-2.80	2.00-2.80
硫酸盐, % Saltas Na ₂ SO ₄	≤2.0	≤2.0	≤2.0	≤2.0	≤2.0	≤2.0
堆积密度, g/L Bulk density	260-320	260-320	260-320	260-320	260-320	260-320

应用特性

Use characteristic

机械压实颗粒, 使用过程中粉尘减少。在橡胶中有较强的补强性能, 广泛应用于轮胎、鞋类和其它橡胶制品。

Mechanical compaction of particles reduces dust during use.Strong reinforcing properties in rubber,widely used in tires,footwear and other rubber products.

ENVIRONMENTALLY PROTECTION&DUSTLESS SILICA 环保无尘型二氧化硅 ②

型号MODEL	ZC-200MP	ZC-195MP	ZC-185MP	ZC-165MP	ZC-115MP
外观 Appearance	微珠状 Micro-pearl				
比表面积(BET), m ² /g Specific surface area(BET)	195±15	190±15	180±15	160±15	120±15
比表面积(CTAB), m ² /g Specific surface area(CTAB)	160±15	155±15	150±15	140±15	110±15
100目筛余物, % 100 Mesh sieve residue	≥80	≥80	≥80	≥80	≥80
二氧化硅(灼烧后), % SiO ₂ (After igniting loss)	≥97.0	≥97.0	≥97.0	≥97.0	≥97.0
加热减量(105°C 2h), % Heating loss	4.0-8.0	4.0-8.0	4.0-8.0	4.0-8.0	4.0-8.0
灼烧减量(1000°C 2h), % Ignition loss	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0
pH值(5%悬浮液) pH(5% Suspension)	6.0-8.0	6.0-8.0	6.0-8.0	6.0-8.0	6.0-8.0
DBP吸收值, cm ³ /g DBP absorption	2.00-2.80	2.00-2.80	2.00-2.80	2.00-2.80	2.00-2.80
硫酸盐, % Saltas Na ₂ SO ₄	≤2.0	≤2.0	≤2.0	≤2.0	≤2.0
堆积密度, g/L Bulk density	220-300	220-300	220-300	220-300	220-300

应用特性

Use characteristic

高分散微珠颗粒, 使用过程中粉尘减少。在橡胶中有较强的补强性能, 广泛应用于轮胎、鞋类、塑胶跑道和其它橡胶制品; 可以在饲料中作为饲料防霉剂、酸化剂、抗结块剂等载体, 起到吸附、抗结块等作用; 可以用于农药, 在可湿性粉末(WP)和可水分散性颗粒(WG)中起到助流、抗结块的作用。

Highly dispersed Micro-pearl,dust reduction during use.It has strong reinforcing properties in rubber,and is widely used in tires,footwear,plastic track and other rubber products;It can be used in feed as feed anti-mildew agent,acidifier,anti-caking agent and other carriers to play the role of adsorption,anti-caking and so on.It can be used as a pesticide to help flow and resist caking in wettable powder (WP)and water-dispersible particle (WG)

LOW AGGLOMERATION&HIGHLY DISPERSIBLE SILICA(LAS&HDS) 低聚高分散型二氧化硅①

项目ITEM	型号MODEL					
	ZC-HD 270GR	ZC-HD 230GR	ZC-HD 200GR	ZC-HD 165GR	ZC-HD 115GR	ZC-HD 85GR
外观 Appearance	颗粒状 Granular					
比表面积(BET), m ² /g Specific surface area(BET)	175±15	230±20	210±20	160±15	120±15	90±20
比表面积(CTAB), m ² /g Specific surface area(CTAB)	160±15	200±20	200±20	140±15	115±15	85±20
60目筛余物, % 60 Mesh sieve residue	≥80	≥80	≥80	≥80	≥80	≥70
二氧化硅(灼烧后), % SiO ₂ (After igniting loss)	≥97	≥97	≥97	≥97	≥97	≥97
加热减量(105°C 2h), % Heating loss	4.0-8.0	4.0-8.0	4.0-8.0	4.0-8.0	4.0-8.0	4.0-8.0
灼烧减量(1000°C 2h), % Ignition loss	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0
pH值(5%悬浮液) pH(5% Suspension)	6.0-8.0	6.0-8.0	6.0-8.0	6.0-8.0	6.0-8.0	6.0-8.0
DBP吸收值, cm ³ /g DBP absorption	2.00-2.80	2.00-2.80	2.00-2.80	2.00-2.80	2.00-2.80	2.00-2.80
硫酸盐, % Saltas Na ₂ SO ₄	≤2.0	≤2.0	≤2.0	≤2.0	≤2.0	≤2.0
堆积密度, g/L Bulk density	260-320	260-320	260-320	260-320	260-320	260-320

集高分散性、高补强性和低滞后性于一体。是新一代的高性能二氧化硅, 广泛应用于轮胎、鞋类和其它橡胶制品。尤其适用于要求高耐磨性、低滚动阻力和优异湿滑路面抓地力的轮胎胎面。

Incorporates high dispersibility, high reinforcement and low hysteresis. It is a new generation of high-performance silica, widely used in tires, footwear and other rubber products. Especially suitable for tire treads requiring high wear resistance, low rolling resistance and excellent grip on wet slippery roads.

较低的比表面积, 超高的分散性, 给橡胶密炼带来更低门尼粘度和扭矩, 加工过程更为容易。给高份数的橡胶配方带来了更多的可能。尤其适用于抗湿滑的冬季胎/雪地胎。

Lower surface area, ultra-high dispersibility, brings lower Mooney viscosity and torque to rubber internal mixing, making the processing easier. It brings more possibilities to high-volume rubber formulations. Especially suitable for wet skid resistant winter/snow tires.

应用特性 Use characteristic

LOW AGGLOMERATION&HIGHLY DISPERSIBLE SILICA(LAS&HDS) 低聚高分散型二氧化硅②

项目ITEM	型号MODEL					
	ZC-HD 270MP	ZC-HD 230MP	ZC-HD 200MP	ZC-HD 165MP	ZC-HD 115MP	ZC-HD 85MP
外观 Appearance	微珠状 Micro-pearl					
比表面积(BET), m ² /g Specific surface area(BET)	175±15	230±20	210±20	160±15	120±15	90±20
比表面积(CTAB), m ² /g Specific surface area(CTAB)	160±15	200±20	200±20	140±15	115±15	85±20
100目筛余物, % 100 Mesh sieve residue	≥80	≥80	≥80	≥80	≥80	≥70
二氧化硅(灼烧后), % SiO ₂ (After igniting loss)	≥97	≥97	≥97	≥97	≥97	≥97
加热减量(105°C 2h), % Heating loss	4.0-8.0	4.0-8.0	4.0-8.0	4.0-8.0	4.0-8.0	4.0-8.0
灼烧减量(1000°C 2h), % Ignition loss	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0
pH值(5%悬浮液) pH(5% Suspension)	6.0-8.0	6.0-8.0	6.0-8.0	6.0-8.0	6.0-8.0	6.0-8.0
DBP吸收值, cm ³ /g DBP absorption	2.00-2.80	2.00-2.80	2.00-2.80	2.00-2.80	2.00-2.80	2.00-2.80
硫酸盐, % Saltas Na ₂ SO ₄	≤2.0	≤2.0	≤2.0	≤2.0	≤2.0	≤2.0
堆积密度, g/L Bulk density	220-300	220-300	220-300	220-300	220-300	220-300

集高分散性、高补强性和低滞后性于一体。是新一代的高性能二氧化硅, 广泛应用于轮胎、鞋类和其它橡胶制品。尤其适用于要求高耐磨性、低滚动阻力和优异湿滑路面抓地力的轮胎胎面。

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应用特性 Use characteristic

较低的比表面积, 超高的分散性, 给橡胶密炼带来更低门尼粘度和扭矩, 加工过程更为容易。给高份数的橡胶配方带来了更多的可能。尤其适用于抗湿滑的冬季胎/雪地胎。

Lower surface area, ultra-high dispersibility, brings lower Mooney viscosity and torque to rubber internal mixing, making the processing easier. It brings more possibilities to high-volume rubber formulations. Especially suitable for wet skid resistant winter/snow tires.

涂料用二氧化硅 SILICA FOR MATTING AGENTS

型号MODEL	ZC-185-2	ZC-303-2	JB-258-2
项目ITEM		超细状 Ultrafine powder	
外观 Appearance			
比表面积(BET), m ² /g Specific surface area(BET)	185±20	330±50	225±20
加热减量(105°C 2h), % Heating loss	≤6.0	≤6.0	≤6.0
灼烧减量(1000°C 2h), % Ignition loss	≤5.0	≤5.0	≤5.0
二氧化硅(灼烧后), % SiO ₂ (After igniting loss)	≥98.0	≥98.0	≥98.0
pH值(5%悬浮液) pH(5% Suspension)	5.0-7.0	5.0-7.0	5.0-7.0
DBP吸收值, cm ³ /g DBP absorption	2.00-2.80	2.00-3.50	3.00-3.50
总含铁量, mg/kg Total Fe	≤400	≤400	≤200
孔容, mL/g Pore volume	1.0-1.5	1.5-2.5	1.5-2.5
粒径: D50, μm Median size	4.0-8.0	4.0-8.0	4.0-8.0
堆积密度, g/L Bulk density	20-60	20-60	20-60

ZC-185-2是一款经济型超细二氧化硅, 粒径较细, 具有良好的亲水性和悬浮性能, 可耐温1000°C以上, 适用性较强。特性: 易分散、具有良好的增稠补强性能、优异的耐候性能。应用: 适用于消光剂、塑料、抗结剂、农药、橡胶、饲料等。

ZC-303-2是一种特殊工艺的无定型二氧化硅, 粒径幼细, 较好的分散性能, 不影响干速。特性: 良好的分散性、良好的消光性、手感平滑。应用: UV喷涂、薄膜系统、自行车烤漆及弹性橡胶油等。

JB-258-2是一种特殊设计的沉淀法二氧化硅。具有吸油量高, 防沉性好等优点。特别适用于弹性漆, 肉厚手感, 消光效率高。特性: 分散性好、肉厚手感、消光效率高。应用: 弹性漆、印花胶浆、保温材料、水性工业漆等。

ZC-185-2 is an economical ultra-fine silica, small particle size, with good hydrophilic properties, good suspension performance, and can withstand temperature above 1000°C, has strong applicability. Characteristics: easy to disperse, with good thickening and strengthening properties, excellent weather resistance. Application: Suitable for matting agent, plastic, anti-caking agent, pesticide, rubber, feed, etc.

ZC-303-2 is amorphous silica product by special process, very small particle size, good dispersion performance, does not affect the drying speed. Features: Good dispersion, good extinction, smooth feel. Applications: UV spray, film, bicycle paint and elastic rubber oil, etc.

JB-258-2 is a specially designed precipitation silica. It has the advantages of high oil absorption, good anti-sinking, etc. It is especially suitable for elastic paint with thick texture and high extinction efficiency. Characteristics: good dispersion, thick feel, high extinction efficiency. Application: elastic paint, printing paste, thermal insulation material, waterborne industrial paint, etc.

硅橡胶用二氧化硅 SILICA FOR SILICONE RUBBER

型号MODEL	ZC-775-1	SAI-779-1	SAI-800	ZH-901	ZH-909/ SAI-779	ZH-838/ SAI-838	ZH-919/ SAI-919
项目ITEM				细粉 Fine powder			
外观 Appearance							
比表面积(BET), m ² /g Specific surface area(BET)	145±15	165±15	165±15	140±15	140±15	165±15	200±15
加热减量(105°C 2h), % Heating loss	4.0-8.0	4.0-8.0	4.0-8.0	4.0-8.0	4.0-8.0	4.0-8.0	4.0-8.0
灼烧减量(1000°C 2h), % Ignition loss	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0
二氧化硅(灼烧后), % SiO ₂ (After igniting loss)	≥98.0	≥98.0	≥98.0	≥98.0	≥98.0	≥98.0	≥98.0
pH值(5%悬浮液) pH(5% Suspension)	6.0-7.0	6.0-7.0	6.0-7.0	6.0-8.0	6.0-8.0	6.0-8.0	6.0-8.0
DBP吸收值, cm ³ /g DBP absorption	2.00-2.70	2.00-2.70	2.00-2.70	2.00-2.70	2.00-2.70	2.00-2.70	2.00-2.70
硫酸盐, % Saltas Na ₂ SO ₄	≤0.7	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
总含铁量, mg/kg Total Fe	≤400	≤150	≤200	≤300	≤150	≤150	≤150
粒径: D50, μm Median size	8-14	8-12	8-12	8-12	8-12	8-12	8-12
电导率 Specific conductance	≤500	≤300	≤300	≤500	≤300	≤300	≤300
堆积密度, g/L Bulk density	60-100	60-100	60-100	60-100	60-100	60-100	60-100
应用特性 Use characteristic	加工性能好、混炼时间快 Good processability, mixing speed is fast	补强性能好、拉伸发白恢复性能好 Good reinforcing performance, no white matter when stretching	补强性能好、高抗黄变 Good reinforcing properties, high resistance to yellowing	加工性能好、混炼时间快 Good processability, mixing speed is fast	加工性好、耗硅油量低、电绝缘性能好 Good workability, low silicone oil consumption, excellent electrical insulation performance	透明度高, 补强性能好, 耗硅油量低 High transparency, Good reinforcing performance, low silicone oil consumption	透明度高, 补强性能好、分散性好、吸水率低, 拉伸发白恢复性能好 High transparency, high reinforcing performance, good dispersion, low water absorption, no white matter when stretching

采用自来水或纯水及低铁原料, 经过多道严格的除杂工艺, 加上特殊的反应工艺而制得, 专用于高温硫化硅橡胶的超细二氧化硅。

Using tap water or pure water and low iron raw materials, through a number of strict impurity removal process, with a special reaction process. The superfine silica is special for high temperature vulcanized silicone rubber.

- 高透二氧化硅: ZH-919, SAI-919, 高透明度, 高补强, 拉伸发白恢复性能好, 吸水率低, 可用于挤出硅橡胶、液体硅橡胶、玻璃胶; ZH-838, SAI-838, 高透明度, 补强性能好, 耗油量低, 应用领域广泛, 适用于模压硅橡胶、挤出硅橡胶。
- ZH-919, SAI-919, high transparency, high reinforcement, no white matter when stretching, low water absorption, can be used for extruded silicone rubber, liquid silicone rubber, glass glue; ZH-838, SAI-838, high transparency, good reinforcing performance, low fuel consumption, wide application field, suitable for molded silicone rubber, extruded silicone rubber.
- 模压胶用二氧化硅: ZH-909, SAI-779, 适用于绝缘硅橡胶、模压硅橡胶; SAI-779-1, 拉伸发白恢复性能好; SAI-800, 抗黄变性能好。
- Silica for Molded Silicone Rubber: ZH-909, SAI-779, suitable for insulated silicone rubber, molded silicone rubber. SAI-779-1, no white matter when stretching; SAI-800, high resistance to yellowing.
- 普通二氧化硅: ZC-775-1, ZH-901, 易于着色。
- Conventional Silica: ZC-775-1, ZH-901, Easy to Color.
- 粗粉: SAI-773, 加工性能好。
- Coarse Powder: SAI-773, with good processing performance.