



山东宇信纳米科技有限公司

SHANDONG USEEN CALCIUM CO.,LTD.



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创造世界一流的碳酸钙企业

Create a world-class calcium carbonate enterprise

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01

公司简介

COMPANY PROFILE



打造中国碳酸钙第一品牌

“宇信”品牌创立于2008年，公司基地位于山东省青州市，毗邻青岛港、潍坊港、济青高速，交通便利，地理位置优越。公司现占地面积600亩，主要有氧化钙、氢氧化钙、轻质碳酸钙、纳米碳酸钙、食品级碳酸钙等系列产品。拥有17条全自动氧化钙生产线，3条氢氧化钙生产线、9条碳酸钙生产线，其中纳米碳酸钙年产20万吨、氢氧化钙年产20万吨、轻钙16万吨、重钙36万吨、氧化钙年产100万吨。

The "Useen" brand was founded in 2008. Our company is located in Qingzhou City, Shandong Province, adjacent to Qingdao Port, Weifang Port, and Jiqing Expressway, with convenient transportation and superior geographical location. Our company currently covers an area of 600 acres, and mainly produces calcium oxide, calcium hydroxide, precipitated calcium carbonate, nano calcium carbonate, food-grade calcium carbonate and other products. We have 17 fully automatic calcium oxide production lines, 3 calcium hydroxide production lines, and 9 calcium carbonate production lines, among which the annual output of nano calcium carbonate is 200,000 tons, 200,000 tons of calcium hydroxide, 160,000 tons of PCC, 360,000 tons of GCC, and 1 million tons of calcium oxide.

公司专业从事纳米钙系列产品制造、研发，是国内行业的龙头企业。公司拥有独立配套绿色矿山原料生产基地，形成了环保材料、纳米材料深加工于一体的经济产业链。

研发中心先后获得山东省省技术研发中心、潍坊市纳米碳酸钙重点实验室等荣誉，拥有发明及实用新型专利60多项。

公司持续扩大释放产能和进一步完善产品结构，在贵州投资4.3亿元建设年产能20万吨的纳米功能钙生产基地。目前已投产10万吨，将打造中国碳酸钙第一品牌。

Building China No.1 Calcium Carbonate Brand

Our company specializes in the manufacturing and R&D of nano calcium series products and is a leading enterprise in the domestic industry. Our company has an independent supporting green mine raw material production base, forming an economic industrial chain integrating environmentally friendly materials and nano material deep processing.

Our R&D center has successively won honors such as Shandong Provincial Technology R&D Center, Weifang Key Laboratory of Nano-Calcium Carbonate, and has over 60 patents, encompassing both inventions and utility models.

Our company continues to expand our production capacity and further improve product structure. We have invested CNY 430 million in Guizhou province to construct a nano calcium production base with an annual capacity of 200,000 tons. Currently, 100,000 tons of production capacity have been operationalized. We are strategically positioned to building China No.1 calcium carbonate brand.

02 部分检验设备 INSPECTION EQUIPMENT



比表面积测定仪
BET



cube1200 超高速比表面积分析仪
Ultra-high Speed Surface Area Analyzer



煤自动分析仪
Automatic Coal Analyzer



白度测定仪
Whiteness Tester



白度计
Whiteness Meter



红外水分仪
Infrared Moisture Meter



气相色谱仪(美国)
Gas Chromatograph (USA)



脂肪测定仪
Fat Analyzer



激光粒径仪
Laser Particle Size Instrument



多功能吹膜实验机
Multifunctional Film Blowing Experimental Machine



均质搅拌机
Homogenizing Mixer



万能制样机
All Purpose Sampling Machine



双辊开炼机
Double Bar Chiller



转矩流变仪
Torque Rheometer



HY-100 粉体密度测试仪
Powder Density Tester



制胶综合机
Kneading Machine



阿克隆磨耗试验机
Akron Abrasion Tester



NDJ-79 旋转粘度仪
Rotary Viscometer



SHJ-35 型号双螺杆挤出机
Double-Screw Extruder



天然气分析仪
Natural Gas Analyzer

03 生产车间 WORKSHOP



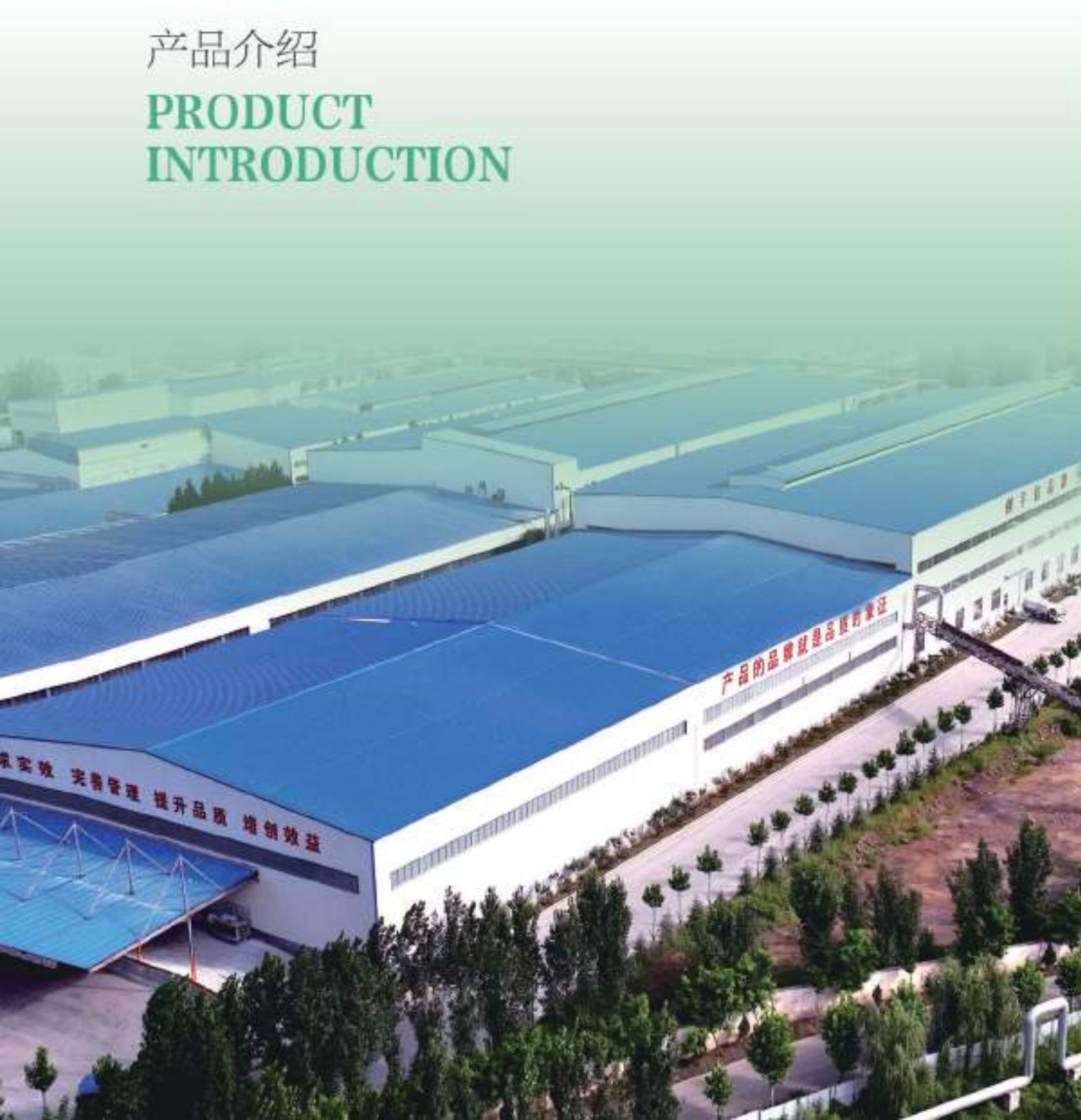
宇信纳米科技组建一流的专业技术研发团队，形成自己独特的纳米碳酸钙核心技术，具备了强大的科研、开发实力。依托核心技术，持续扩大释放产能，不断装备人才队伍及核心生产设备，学习运用先进管理手段，使公司向规模化、自动化、智能化、低碳化、高质量的发展方向上迈进。

Useen Nano Calcium has established a first-class professional technical R&D team, formed our own unique core technology in nano calcium carbonate, and possesses strong scientific research and development capabilities. Relying on core technology, We are continuously expanding and releasing production capacity, constantly equipping the talent team and core production equipment, and learning to use advanced management methods, our company is moving toward the development direction of scale, automation, intelligence, low carbonization, and high quality.

04

产品介绍

PRODUCT INTRODUCTION



01 / MS 专用纳米级碳酸钙 NANO CALCIUM CARBONATE FOR MS



产品特点 / Product features

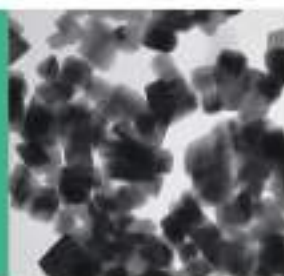
产品解决在 MS 胶应用体系中容易吸水引发的储存稳定性变化问题。产品特点：低水分，低吸油值，分散加工性能好，能与 MS 密封胶的基体形成良好的界面结合，提高密封胶的拉伸强度，断裂伸长率等力学性能，产品可用于单、双组分 MS 密封胶领域。

The product solves the problem of storage stability changes caused by easy water absorption in the MS glue application system. Product features: low moisture, low oil absorption value, good dispersion and processing performance, can form a good interface with the matrix of MS sealant, improve the tensile strength, elongation at break and other mechanical properties of the sealant, the product can be used in the field of single-component and two-component MS sealants.

No. 序号	ITEM 指标项目		UNIT 单位	INDEX 指标值
1	Chemical Analysis 化学成分	CaCO ₃	%	≥94
2		MgO	%	≤0.5
3		SiO ₂	%	≤0.4
4	形貌 Particle Shape			立方体 Cube
5	平均粒径 Average Particle		nm	100±5
6	BET比表面积 BET Specific Surface Area		m ² /g	18±2
7	吸油量 Oil Absorption		g/100g	20±2
8	白度 Whiteness		%	≥93
9	pH值 pH Value			8.0-10.0
10	水分的质量分数 Moisture		%	≤0.3
11	包装规格 Packing		(kg/bag)	25±0.125
12	表面处理 Surface Treatment			脂肪酸 Fatty Acid

02 / 硅酮胶用纳米级碳酸钙 YX-600

NANO CALCIUM CARBONATE FOR SILICONE SEALANT YX-600



产品特点 / Product features

加工性能好，分散性好，有较好的流动和触变性，在同级别产品中制品的拉伸强度高，伸长率高，有较高的性价比。可根据客户需要调整弹性模量，可根据客户需要调整配方用于单、双组分硅酮胶以及聚氨酯胶等领域。

Excellent processability and dispersion properties, with good flow and thixotropic performance. Demonstrates superior tensile strength and elongation compared to similar-grade products, offering high cost-effectiveness. Elastic modulus can be customized to meet specific requirements. The formulation is adjustable for applications in single/double-component silicone sealants, polyurethane sealants, and other fields.

Application Area: Sealants, Plastics, Rubber.

No. 序号	ITEM 指标项目		UNIT 单位	INDEX 指标值
1	Chemical Analysis 化学成分	CaCO ₃	%	≥95
2		MgO	%	≤0.5
3		SiO ₂	%	≤0.1
4		Fe ₂ O ₃	%	≤0.03
5	形貌 Particle Shape			立方体 Cube
6	平均粒径 Average Particle		nm	100
7	BET比表面积 BET Specific Surface Area		m ² /g	16±2
8	吸油量 Oil Absorption		g/100g	22±2
9	活化度 Activation Rate		%	≥99.9
10	白度 Whiteness		%	≥95
11	pH值 pH Value			8.5-9.5
12	堆积密度 The Bulk Density		g/cm ³	0.4-0.6
13	水分的质量分数 Moisture		%	≤0.5
14	外观 Exterior			白色粉末 White Powder
15	表面处理 Superface Treatment			脂肪酸复合 Fatty Acid

03 / 纳米级碳酸钙 YX-601

NANO CALCIUM CARBONATE YX-601



产品特点 / Product features

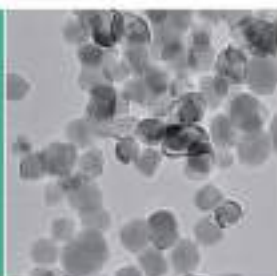
具有晶体结构完整，粒径分布均匀，吸油值、pH值、水分低的特点。在同级别产品制品的拉伸强度伸长率高，粘结性能好，触变性好，分散性好，加工性能好，产品可用于单、双组分硅酮密封胶及聚氨酯胶等领域。

It has the characteristics of complete crystal structure, uniform particle size, low oil absorption, pH value and moisture content. Among the products of the same level, it has high tensile strength and elongation, excellent bonding performance, good thixotropy, dispersibility and processing performance. The products can be used in single-component and two-component silicone sealants and polyurethane adhesives.

No. 序号	ITEM 指标项目		UNIT 单位	INDEX 指标值
1	Chemical Analysis 化学成分	CaCO ₃	%	≥94
2		MgO	%	≤0.5
3		SiO ₂	%	≤0.4
4	形貌 Particle Shape			立方体 Cube
5	平均粒径 Average Particle		nm	80±5
6	BET比表面积 BET Specific Surface Area		m ² /g	22±2
7	吸油量 Oil Absorption		g/100g	22±2
8	白度 Whiteness		%	≥94
9	pH值 pH Value			8.0-10.0
10	水分的质量分数 Moisture		%	≤0.5
11	包装规格 Packing		(kg/bag)	25±0.125
12	表面处理 Surface Treatment			脂肪酸 Fatty Acid

04 / 纳米级碳酸钙 YX-602

NANO CALCIUM CARBONATE YX-602



产品特点 / Product features

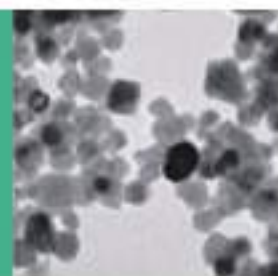
立方体形状，平均粒径 70 纳米，晶体规整，能较好的平衡力学和应力性能，赋予制品良好的补强、粘结、流动和触变性能。在同级别产品制品的拉伸强度伸长率高，粘结性能好，触变性好，分散性好，加工性能好，产品可用于单、双组分硅酮密封胶及聚氨酯胶等领域。

Cube shape, average particle size 70 nanometers, regular crystals, can better balance mechanical and stress properties, giving products good reinforcement, bonding, flow and thixotropic properties. Among the products of the same level, it has high tensile strength and elongation, excellent bonding performance, good thixotropy, dispersibility and processing performance. The products can be used in single-component and two-component silicone sealants and polyurethane adhesives.

NO. 序号	ITEM 指标项目		UNIT 单位	INDEX 指标值
1	Chemical Analysis 化学成分	CaCO ₃	%	≥ 94
2		MgO	%	≤ 0.5
3		SiO ₂	%	≤ 0.4
4	形貌 Particle Shape			立方体 Cube
5	平均粒径 Average Particle		nm	70±5
6	BET比表面积 BET Specific Surface Area		m ² /g	25±2
7	吸油量 Oil Absorption		g/100g	24±2
8	白度 Whiteness		%	≥ 94
9	pH值 pH Value			8.0-10.0
10	水分的质量分数 Moisture		%	≤ 0.5
11	包装规格 Packing		(kg/bag)	25±0.125
12	表面处理 Surface Treatment			脂肪酸 Fatty Acid

05 / 纳米级碳酸钙 YX-603

NANO CALCIUM CARBONATE YX-603



产品特点 / Product features

具有完整的立方体晶体结构，具有较小的粒径和较高的比表面积，具有良好的分散性，可大幅提高制品的拉伸强度，伸长率和粘结力，并有高的弹性恢复率。产品可用于单、双组分硅酮密封胶及结构胶等领域，也可用于电子胶、太阳能胶及汽车用胶等领域。

It has a complete cubic crystal structure, small particle size, high specific surface area, and good dispersibility. It can greatly improve the tensile strength, elongation, and adhesion of the product, and has a high elastic recovery rate. The product can be used in the fields of single- and two-component silicone sealants and structural adhesives, as well as in the fields of electronic adhesives, solar adhesives, and automotive adhesives.

No. 序号	ITEM 指标项目		UNIT 单位	INDEX 指标值
1	Chemical Analysis 化学成分	CaCO ₃	%	≥94
2		MgO	%	≤0.5
3		SiO ₂	%	≤0.4
4	形貌 Particle Shape			立方体 Cube
5	平均粒径 Average Particle		nm	60±5
6	BET比表面积 BET Specific Surface Area		m ² /g	27±2
7	吸油量 Oil Absorption		g/100g	24±2
8	白度 Whiteness		%	≥93
9	pH值 pH Value			8.0-10.0
10	水分的质量分数 Moisture		%	≤0.5
11	包装规格 Packing		(kg/bag)	25±0.125
12	表面处理 Surface Treatment			脂肪酸 Fatty Acid

06 / 光伏胶用纳米级碳酸钙 YX603-3

NANO CALCIUM CARBONATE FOR
PHOTOVOLTAIC ADHESIVE YX603-3



产品特点 / Product features

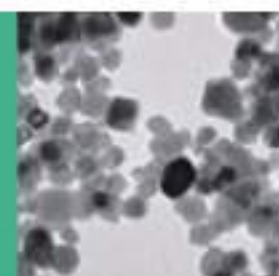
具有完整的立方体晶体结构，具有较小的粒径和较高的比表面积，采用耐热专用的活化剂与偶联剂进行表面处理，与硅酮胶树脂相容性好，具有良好的分散性，可大幅提高制品的拉伸强度、伸长率、耐热性，用于有机硅光伏胶时，可赋予有机硅光伏胶高触变性、低粘度、高挤出性，耐湿热性能，在-45℃到350℃的温度范围内无龟裂、无粉化、无黄变，经紫外线老化辐照后粘接无破坏。

It has a complete cubic crystal structure, small particle size and high specific surface area. It is surface treated with a heat-resistant activator and a coupling agent. It has good compatibility with silicone resin and good dispersibility. It can greatly improve the tensile strength, elongation and heat resistance of the product. When used in organic silicon photovoltaic adhesive, it can give the organic silicon photovoltaic adhesive high thixotropy, low viscosity, high extrusion, and moisture and heat resistance. It has no cracking, no powdering, and no yellowing in the temperature range of -45℃ to 350℃. After ultraviolet aging, the bonding is not damaged.

No. 序号	ITEM 指标项目	UNIT 单位	INDEX 指标值
1	Chemical Analysis 化学成分	CaCO ₃	≥94
2		MgO	≤0.5
3		SiO ₂	≤0.4
4	形貌 Particle Shape		立方体 Cube
5	平均粒径 Average Particle	nm	60±5
6	BET比表面积 BET Specific Surface Area	m ² /g	27±2
7	吸油量 Oil Absorption	g/100g	25±2
8	白度 Whiteness	%	≥95
9	pH值 pH Value		8.0-10.0
10	水分的质量分数 Moisture	%	≤0.5
11	包装规格 Packing	(kg/bag)	25±0.125
12	表面处理 Surface Treatment		脂肪酸 Fatty Acid

07 / 透明塑料母粒用纳米级碳酸钙

NANO CALCIUM CARBONATE FOR
TRANSPARENT PLASTIC MASTERBATCH



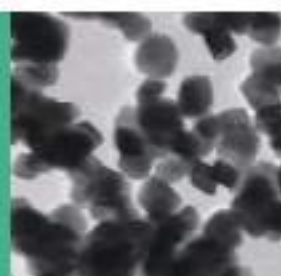
产品特点 / Product features

具有完整的立方体晶体结构，具有较小的粒径和较高的比表面积，采用专用的活化剂与偶联剂进行表面处理，与树脂相容性好，具有良好的分散性，可大幅提高制品的透明度、拉伸强度、耐热性，用于塑料透明薄膜中可代替纳米硫酸钡，出膜面积是纳米硫酸钡的1.5倍。也可用于拉丝、注塑、PVC、PE、PP等型材、管材、板材等作为补强助剂。

It has a complete cubic crystal structure, small particle size and high specific surface area. It is surface treated with a special activator and coupling agent. It has good compatibility with resins and good dispersibility. It can greatly improve the transparency, tensile strength and heat resistance of products. It can replace nano barium sulfate in plastic transparent films, and its film area is 1.5 times that of nano barium sulfate. It can also be used for wire drawing, injection molding, PVC, PE, PP and other profiles, pipes, plates, etc. as a reinforcing agent.

No. 序号	ITEM 指标项目	UNIT 单位	INDEX 指标值
1	Chemical Analysis 化学成分	CaCO ₃	≥96
2		MgO	≤0.5
3		SiO ₂	≤0.1
4	形貌 Particle Shape		立方体 Cube
5	平均粒径 Average Particle	nm	65±5
6	BET比表面积 BET Specific Surface Area	m ² /g	26±2
7	吸油量 Oil Absorption	g/100g	24±2
8	白度 Whiteness	%	≥95
9	pH值 pH Value		8.0-10.0
10	水分的质量分数 Moisture	%	≤0.5
11	包装规格 Packing	(kg/bag)	25±0.125
12	表面处理 Surface Treatment		脂肪酸 Fatty Acid

08 / 汽车涂料用纳米级碳酸钙 NANO CALCIUM CARBONATE FOR AUTOMOTIVE COATINGS

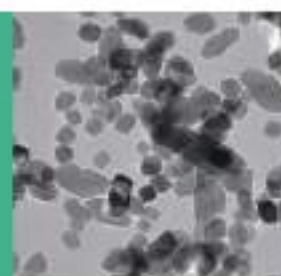


产品特点 / Product features

1. 具有良好的剪切变稀的效应。这样保证施工喷涂过程中低粘度，从而有良好的流动性，不会堵塞喷涂枪口。
 2. 良好的触变性能。表面处理的纳米碳酸钙使体系产生触变结构，这样在施工完成后，具有良好的抗流挂性能。
 3. 具有较高的屈服应力，从而保证 PVC 底盘涂料形成一定的强度，具有良好的附着力。
 4. 本产品也可用于汽车焊锡胶，具有良好的强度和伸长率。
1. It has a good shear thinning effect. This ensures low viscosity during the construction spraying process, thus having good fluidity and not clogging the spray gun nozzle.
 2. Good thixotropic properties. The surface-treated nano calcium carbonate makes the system produce a thixotropic structure, so that after the construction is completed, it has good anti-sagging properties.
 3. It has a high yield stress, which ensures that the PVC chassis coating forms a certain strength and has good adhesion.
 4. This product can also be used for automotive weld glue, with good strength and elongation.

No. 序号	ITEM 指标项目		UNIT 单位	INDEX 指标值
1	Chemical Analysis 化学成分	CaCO ₃	%	≥94
2		MgO	%	≤0.5
3		SiO ₂	%	≤0.4
4	形貌 Particle Shape			立方体 Cube
5	平均粒径 Average Particle		nm	80±5
6	BET比表面积 BET Specific Surface Area		m ² /g	22±2
7	吸油量 Oil Absorption		g/100g	24±2
8	白度 Whiteness		%	≥93
9	pH值 pH Value			8.0-10.0
10	水分的质量分数 Moisture		%	≤0.5
11	屈服值 Yield Value		Pa	100-200
12	宾汉粘度 Bingham viscosity		Pa. s	0.28-0.55
13	表面处理 Surface Treatment			脂肪酸 Fatty Acid

09 / 油墨用纳米级碳酸钙 NANO CALCIUM CARBONATE FOR INK



产品特点 / Product features

1. 粒径小、粒径分布均匀，比表面积大，透明性好，易于分散，采用树脂酸进行表面处理，吸油值较低，与树脂和连接料相容性好。
 2. 以该产品为填料研制的油墨的粘度适中，具有良好的印刷性能，稳定性好，印品光滑，网点完整。
 3. 可根据客户需要调整，流动性、透明性等指标。
1. Small particle size, uniform particle size distribution, large specific surface area, good transparency, easy to disperse, surface treated with resin acid, low oil absorption value, good compatibility with resin and binder.
 2. The viscosity of the ink made with this product as filler is moderate, with good printing performance, good stability, smooth prints, and complete dots.
 3. The fluidity, transparency and other indicators can be adjusted according to customer needs.

No. 序号	ITEM 指标项目		UNIT 单位	INDEX 指标值
1	Chemical Analysis 化学成分	CaCO ₃	%	≥94
2		MgO	%	≤0.5
3		SiO ₂	%	≤0.4
4	形貌 Particle Shape			立方体 Cube
5	平均粒径 Average Particle		nm	40±5
6	BET比表面积 BET Specific Surface Area		m ² /g	45±5
7	吸油量 Oil Absorption		g/100g	28±2
8	白度 Whiteness		%	≥88
9	pH值 pH Value			8.0-10.0
10	堆积密度 The Bulk Density		g/cm ³	0.4-0.6
11	水分的质量分数 Moisture		%	≤0.5

10 / 轻质碳酸钙 YX-501

PRECIPITATED CALCIUM CARBONATE YX-501



产品特点 / Product features

白度高，铁锰含量低，细度细，碳酸钙含量高，沉降体积稳定，粒度分布集中，流动性好。具有良好的加工性能，增加制品韧性，提高制品光泽度，可以降低生产成本。

用途：造纸、橡胶、塑料、建材、涂料等行业。

High whiteness, low iron and manganese content, fine fineness, high calcium carbonate content, stable sedimentation volume, concentrated particle size distribution, good fluidity. It has good processing performance, increases product toughness, improves product gloss, and can reduce production costs.

Applications: paper-making, rubber, plastics, building materials, coatings and other industries.

No. 序号	ITEM 指标项目		UNIT 单位	INDEX 指标值
1	Chemical Analysis 化学成分	CaCO ₃	%	≥94
2		MgO	%	≤0.5
3		SiO ₂	%	≤0.4
4	形貌 Particle Shape			纺锤形 Spindle
5	平均粒径 Average Particle		μm	0.5~4
6	沉降体积 Sediment Volume		cm/g /3h	2.0~3.5
7	吸油量 Oil Absorption		g/100g	50~80
8	白度 Whiteness		%	≥93
9	pH值 pH Value			8.0~10.0
10	水分的质量分数 Moisture		%	≤0.5

11 / 低吸油值轻质碳酸钙 YX-502

PRECIPITATED CALCIUM CARBONATE LOW ABSORPTION YX-502



产品特点 / Product features

白度高，铁锰含量低，细度细，碳酸钙含量高，沉降体积稳定，粒度分布集中，吸油值低，流动性好。具有良好的加工性能，增加制品韧性，提高制品光泽度，可以降低生产成本。

用途：橡胶、塑料、建材、涂料等行业。

High whiteness, low iron and manganese content, fine fineness, high calcium carbonate content, stable sedimentation volume, concentrated particle size distribution, low oil absorption value, good fluidity.

It has good processing performance, increases the toughness of products, improves the gloss of products, and can reduce production costs.

Application: rubber, plastics, building materials, coatings and other industries.

No. 序号	ITEM 指标项目		UNIT 单位	INDEX 指标值
1	Chemical Analysis 化学成分	CaCO ₃	%	≥94
2		MgO	%	≤0.5
3		SiO ₂	%	≤0.4
4	形貌 Particle Shape			纺锤形 Spindle
5	平均粒径 Average Particle		μm	0.5~4
6	沉降体积 Sediment Volume		cm/g /3h	2.0~3.5
7	吸油量 Oil Absorption		g/100g	25~35
8	白度 Whiteness		%	≥93
9	pH值 pH Value			8.0~10.0
10	水分的质量分数 Moisture		%	≤0.5

12/ 超细活性轻质碳酸钙 YX-503 PRECIPITATED CALCIUM CARBONATE ULTRAFINE ACTIVE YX-503



► 产品特点 / Product features

通过湿法活化处理的超细活性轻质碳酸钙。对橡胶、塑料制品有显著的补强作用及良好的力学性能，能提高冲击强度、拉伸强度、断裂伸长率等，不仅能改善体系的加工性能，而且赋予制品较好的机械性能，利于制品加工，降低生产成本。用途：橡胶、塑料、电线电缆、灯箱布、鞋料等。

Ultrafine active light calcium carbonate treated by wet activation. It has a significant reinforcing effect and good mechanical properties on rubber and plastic products, and can improve impact strength, tensile strength, elongation at break, etc. It can not only improve the processing performance of the system, but also give the product better mechanical properties, which is conducive to product processing and reduces production costs.

Applications: rubber, plastic, wire and cable, light box cloth, shoe material, etc.

No. 序号	ITEM 指标项目		UNIT 单位	INDEX 指标值
1	Chemical Analysis 化学成分	CaCO ₃	%	≥94
2		MgO	%	≤0.5
3		SiO ₂	%	≤0.4
4	形貌 Particle Shape			纺锤形 Spindle
5	平均粒径 Average Particle		μm	0.5-4
6	吸油量 Oil Absorption		g/100g	20-30
7	白度 Whiteness		%	≥93
8	pH值 pH Value			8.0-10.0
9	水分的质量分数 Moisture		%	≤0.5

13/ 氧化钙 CALCIUM OXIDE



► 产品特点 / Product features

本公司生产的活性石灰。选用优质石灰石和山西无烟煤烧制而成。具有氧化钙含量高，活性度高，二氧化硅含量低等优点。能满足转炉及电炉炼钢的要求，可明显降低吨钢石灰的消耗及提高钢水收率，经济效益明显。另外活性石灰作为填料、置换剂，在塑料、造纸、食品、医药等行业中，能满足质量要求，应用前景广阔。本公司生产的生石灰可应用于烧结及球团生产，对提高烧结矿质量及节能降耗有明显效果。还可应用于化工行业：漂白剂、漂白粉、三氯乙烯、环氧丙烷、电石、石灰氮、双氰胺等；用于食品行业：干燥剂。用于农业：杀虫剂等。

Our active lime is made of high-quality limestone and Shanxi anthracite. It has the advantages of high calcium oxide content, high activity, and low silicon dioxide content. It can meet the requirements of converter and electric furnace steelmaking, significantly reduce the consumption of lime per ton of steel and increase the yield of molten steel, with obvious economic benefits. In addition, active lime can be used as a filler and replacement agent in the plastic, papermaking, food, medicine and other industries to meet the quality requirements and has broad application prospects. The quicklime produced by our company can be used in sintering and pelletizing production, which has a significant effect on improving the quality of sintered ore and saving energy and reducing consumption. It can also be used in the chemical industry, such as: bleaching powder, bleaching agent, trichloroethylene, propylene oxide, calcium carbide, lime nitrogen, dicyandiamide, etc., in the food industry, such as: desiccant, in agriculture, such as: pesticide, etc.

NO. 序号	ITEM 指标项目		UNIT 单位	INDEX 指标值
1	Chemical Analysis 化学成分	CaO	%	85-93
2		MgO	%	≤2
3		SiO ₂	%	≤1
4		Fe ₂ O ₃	%	≤0.05
5	Activity Degree 活性度		4N/HCl	260-380
6	Lumpiness 块度			As Per Customer 根据需要

14 / 氢氧化钙 CALCIUM HYDROXIDE



► 产品特点 / Product features

本公司生产的氢氧化钙优选活性石灰，干法消化而形，分子式为 $\text{Ca}(\text{OH})_2$ ，相对分子量为 74，pH 值大于等于 12，是强碱性，白色细腻粉末，微溶于水，能溶于酸、甘油、氯化铵中，溶于酸中放出大量的热量，相对密度为 2.24。氢氧化钙主要用于环保污水处理，污泥调质，烟气脱硫，建材原料，造漆，有色金属冶炼，饲料添加，钙基脂，染料，冷冻剂等。

Our calcium hydroxide is made of the high-quality active lime., which is formed by dry digestion. The molecular formula is $\text{Ca}(\text{OH})_2$, the relative molecular weight is 74, the pH value is greater than or equal to 12, it is strongly alkaline, white fine powder, slightly soluble in water, soluble in acid, glycerin, and ammonium chloride, and releases a large amount of heat when dissolved in acid. The relative density is 2.24. Calcium hydroxide is mainly used for environmental sewage treatment, sludge conditioning, flue gas desulfurization, building materials, paint making, non-ferrous metal smelting, feed additives, calcium-based fats, dyes, refrigerants, etc.

No. 序号	ITEM 指标项目		UNIT 单位	INDEX 指标值
1	Chemical Analysis 化学成分	$\text{Ca}(\text{OH})_2$	%	85-95
2		MgO	%	≤ 2
3		SiO_2	%	≤ 1
4	H_2O		%	≤ 1
5	325目通过率 325 Mesh Sieve Pass		%	≥ 90

15 / 脱硫重钙 DESULFURIZED GROUND CALCIUM CARBONATE



► 产品特点 / Product features

本公司生产的脱硫重钙，采用优质的石灰石研磨而成，主要用于电厂脱硫，锅炉脱硫，水处理，酸中和，钢铁脱硫等行业。

Our desulfurized heavy calcium is produced by high-quality limestone and is mainly used in power plant desulfurization, boiler desulfurization, water treatment, acid neutralization, steel desulfurization and other industries.

No. 序号	ITEM 指标项目		UNIT 单位	INDEX 指标值
1	Chemical Analysis 化学成分	CaCO_3	%	90-96
2		MgO	%	≤ 2
3		SiO_2	%	≤ 1
4	325目通过率 325 Mesh Sieve Pass		%	≥ 90

16 / 工业级重质碳酸钙

GROUND CALCIUM CARBONATE INDUSTRIAL GRADE

► 产品特点 / Product features

该产品选用优质方解石为原材料，经过选矿、清洗、破碎及均化等预处理后，通过大型超细粉碎生产设备进行粉碎，再经过精细分级而成。具有化学性质稳定、白度高、杂质少、粒度分布合理及无放射性等特点。

This product is made of high-quality calcite as raw material, and after pre-treatment such as ore dressing, cleaning, crushing and homogenization, it is crushed by large-scale ultra-fine crushing production equipment and then finely classified. It has the characteristics of stable chemical properties, high whiteness, few impurities, reasonable particle size distribution and no radioactivity.

NO. 序号	ITEM 指标项目		UNIT 单位	INDEX 指标值
1	Chemical Analysis 化学成分	CaCO ₃	%	≥96
2		MgO	%	≤0.5
3		SiO ₂	%	≤0.2
4		Fe ₂ O ₃	%	≤0.05
5		Al ₂ O ₃	%	≤0.1
6	酸不溶物 HCl Insoluble		%	≤1.5
7	白度 Whiteness		%	≥95
8	吸油值 Oil Absorption Value		gDOP/100g	≤40
9	pH值 pH Value			8.0-10.0
10	水分的质量分数 Moisture		%	≤0.4
11	325 目筛余物 +325 Mesh Residue		%	PASS
12	黑黄点 Black And Yellow Impurity		个 /g	≤5

17 / 工业级活性重质碳酸钙

GROUND CALCIUM CARBONATE COATED INDUSTRIAL GRADE

► 产品特点 / Product features

该产品以普通碳酸钙超细粉作原材料，加入硬脂酸及偶联剂等进行表面处理，通过表面活化设备进行表面处理得到。其水分低、分散性好，不产生团聚，具有良好的疏水性和亲油性。

This product is made of ordinary ultrafine calcium carbonate powder as the raw material, and is surface-treated by adding stearic acid and a coupling agent. It is then further surface-treated using surface activation equipment. The product has low moisture content, good dispersibility, no agglomeration, and excellent hydrophobicity and lipophilicity.

NO. 序号	ITEM 指标项目	UNIT 单位	INDEX 指标值
1	CaCO ₃	%	≥95
2	粒径 Particle Size D50 (Customized)	μm	≤4.7
3	粒径 Particle Size D97 (Customized)	μm	≤25
4	白度 Whiteness	%	≥95
5	吸油值 Oil Absorption Value	gDOP/100g	≤30
6	105℃挥发物 Volatile Matter	W/%	≤0.5
7	重金属 Heavy Metal (Pb)	W/%	≤0.005

18 / 食品级重质碳酸钙

GROUND CALCIUM CARBONATE FOOD GRADE

产品特点 / Product features

该产品选用优质方解石为原材料，经过选矿、清洗、破碎及均化等预处理后，通过无菌车间进行粉碎，精细分级而成。产品指标符合食品级标准要求。

This product is made of high-quality calcite as raw material, and after pre-treatment such as ore dressing, cleaning, crushing and homogenization, it is crushed in a sterile workshop and finely graded. The product indicators meet the requirements of food grade standards.

NO. 序号	ITEM 指标项目	UNIT 单位	INDEX 指标值
1	Chemical Analysis 化学成分	CaCO ₃	%
2		MgO	%
3		SiO ₂	%
4		钡 (Ba) / (mg/kg)	%
5		镉 (Cd) / (mg/kg)	%
6		氟 (F) / (mg/kg)	%
7		砷 (As) / (mg/kg)	%
8		铅 (Pb) / (mg/kg)	%
9		汞 (Hg) / (mg/kg)	%
10	最大粒径 Maximum Particle Size	μm	≤45
11	白度 Whiteness	%	≥95
12	吸油值 Oil Absorption Value	gDOP/100g	≤20
13	pH值 pH Value		8.0-10.0
14	水分的质量分数 Moisture	%	≤0.4
15	325目筛余物 +325 Mesh Residue	%	PASS
16	黑黄点 Black And Yellow Impurity	个/g	≤5

05

交流合作

COOPERATION

合作交流 Cooperation and exchange

与国外行业知名专家、中国科学院过程工程研究所及清华大学、中国地质大学、北京科技大学、山东大学等建立了密切的“产学研”合作关系。

The company has established close "industry-university-research" cooperation relationships with well-known foreign industry experts, the Institute of Process

全国首家 First in China

首家将纳米碳酸钙应用于PE吹塑制品中，可替代传统填充材料，性能优异。

The first company to apply nano calcium carbonate to PE blow molding products, which can replace traditional filling materials and has excellent performance.



06

企业荣誉
HONOR



感谢您选择宇信
我们愿竭诚为您服务！

THANK YOU FOR CHOOSING USEEN, WE ARE WILLING TO SERVE YOU DEVOUTLY!

