King Powder

联锴粉体

King Powder
联锴粉体

致力于高性能粉体材料的创新与应用

Committed to the high performance powder material innovation and application

Index

◆ Overview

◆ Product

Company Profile

KingPowder was founded in 2004 and headquartered in Shanghai. The industrial team is dedicated to the innovation and application of high-performance powder materials. They also take an in-depth application study in thermal conductivity, corrosion resistance, lubricity, dispersity, morphological structure, temperature and weather resistance, safety and environmental protection, as well as purification and separation of materials. KingPowder's products mainly include powder and slurry: powder of hexagonal boron nitride, spherical porous silica, graphene, titanium dioxide, mica, talc, kaolin, calcium carbonate and those with hydrophilic and lipophilic surface modifications; water-dispersed slurry of titanium dioxide, carbon black, graphene, etc. They can be widely used in coating, ink, rubber and plastic, automobile, electronics, papermaking, biomedicine, cosmetics and other fields.

KingPowder has a factory located in Ganzhou, Jiangxi, the former red capital and the cradle of Hakka. It is a 25,000 m^2 production base and has obtained ISO9001:2015 Quality Management System Certification and EU REACH Certification. With multiple production lines such as powder synthesis workshop, wet stripping workshop, surface coating modification workshop, wet grinding slurry workshop, ultrafine crushing and classification workshop, and advanced quality control testing equipment, its annual output can reach 100,000 tons. In addition, KingPowder has three development and application laboratories in Shanghai, Guangzhou, and Ganzhou, together with more than 30 professional and technical service personnel with bachelor degree or above. Furthermore, it has established technical cooperation with institutions and universities such as Chinese Academy of Sciences (Guangzhou Institute of Geochemistry, Ningbo Institute of Materials Technology & Engineering), Shanghai University, Sun Yat-sen University, South China University of Technology, Jiangxi Normal University, etc. Applied for a number of national invention patents for new materials, KingPowder is also a "high-tech enterprise" that works on building a comprehensive service R&D platform for the innovation and application of high-performance powder materials. It has strong R & D and technical service capabilities, so can provide customers with customized products and personalized technical solutions.

Qualification Certificate

ISO9001:2015
Quality Management
System Certification

Patent for Carbon
Black Pre-dispersion

Patent for Ultrapure
Talc Certificate

Patent for Spherical
Porous Silica

Reach Certificate for
Boron Nitride

Reach Certificate for Silica

Reach Certificate for
Titanium Dioxide

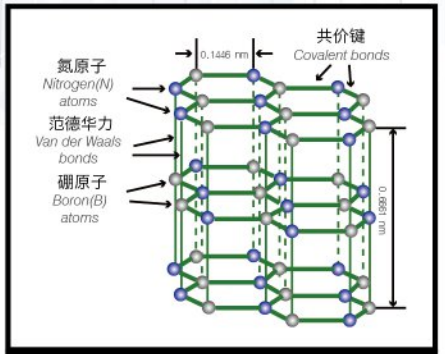
High Technology Expertise Certification

Bnitril Hexagonal Boron Nitride

Basic Information:

Boron Nitride: CAS#: 10043-11-5 Chemical Formula: BN

Hexagonal boron nitride (h-BN) has a hexagonal lamellar structure similar to graphite, commonly known as "white graphite". High thermal conductivity, high insulation, low expansion coefficient, high lubrication, high temperature resistance, oxidation resistance, resistance to chemical corrosion, metal demoulding, etc.

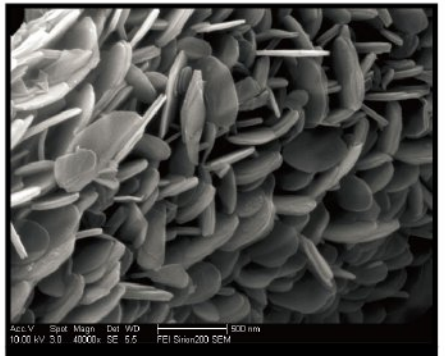


Hexagonal boron nitride structure

Technical Index:

Boron Nitride Products 【Packaging】10KG/Drum，15KG/Drum，20KG/Drum

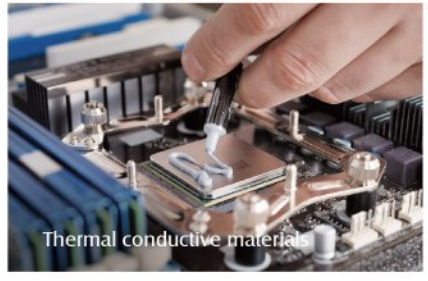
Product Name	Product Code	Appearance	Mean Particle Size (μm)	BET Specific Surface Area (m^2/g)	Oil Absorption (cc/100g)	Feature
Bnitril N-1	K02112	White powder	<1	14	85-90	Nanometer
Bnitril N-3	K02109	White powder	3	8	75-85	Demoulding
Bnitril N-6	K02113	White powder	6	7	70-80	Lubricating
Bnitril N-8	K02101	White powder	8	5	65-75	Heat conduction
Bnitril N-12	K02114	White powder	12	2	55-65	Heat conduction
Bnitril N-20	K02115	White powder	20	1	45-55	High filling content


SEM image of boron nitride

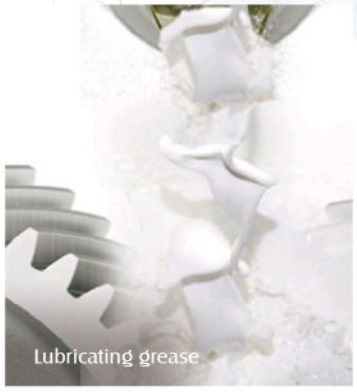
Product Feature:

- High radial thermal conductivity 120w/m.k, low permittivity 3-4, low coefficient of expansion 2×10^{-6}, more suitable for 5G products.
- It has superior anti-bonding performance with titanium, copper, aluminum, other metal hot melt solution, 1000 degrees of heat-resistant, no oxidation, chemical corrosion resistance, excellent lubrication performance, suitable for forging demoulding.
- With Less than 0.1 friction coefficient and good lubrication effect, no oxidation, no carbonization, no slagging, no loss, no corrosion of metals, prevent high temperature adhesion, suitable for thermal conductive grease.
- Kingpowder's unique stripping technology makes intact lamella, smooth film layer surface without edge, high gloss.
- Wet stripping process, purification and impurity removal, BN>99%, B_2O_3<0.1%, reduce the influence of boron oxide impurities on use.
- Lamellar structure, radius-thickness ratio is more than 30, low density 2.2 g/cm^3, moh's hardness 2, make thin and light products easier to process, increase mechanical strength and corrosion resistance.
- Stable physical and chemical properties, no hydrolysis, unlike the negative effects of AlN hydrolysis.


Ceramic fittings


Thermal conductive materials

Bnitril Hexagonal Boron Nitride


Lubricating grease

Modified Boron Nitride Products

【Packaging】10KG/Drum，15KG/Drum，20KG/Drum

Product Name	Product Code	Appearance	Mean Particle Size (μm)	BET Specific Surface Area (m^2/g)	Feature
Bnitril NAQ-3 Hydrophilic boron nitride	K02104	White powder	3	8	Water-dispersing
Bnitril NS-12 Lipophilic boron nitride	K02103	White powder	12	2	Oil-dispersing
Bnitril NW-101 Water-base boron nitride dispersion	K02106	White liquid	6	~	Directly spray for demoulding
Bnitril N-10G Microspherical boron nitride	K02108	White particles	10	<1	Spherical, high filling content and high heat conduction

There are hydrophilic and lipophilic modified products in all partice sizes. (Such as Bnitril NAQ-6, Bnitril NAQ-8, Bnitril NS-3, and Bnitril NS-6) .

Product Feature:

- Hydrophilic modified surface treatment, significantly improve wetting and dispersing stability of boron nitride in water/alcohol-base system, water-based boron nitride dispersion can be directly added in formulation or sprayed.
- Lipophilic modified surface treatment, enhance the bond strength and dispersity of boron nitride in resin and polymer, reduce viscosity, increase filling content, improve material performance.
- Microspherical boron nitride, add selected boron nitride of different particle size in proportion for pelletizing, higher filling rate inside the ball, higher solid density, larger filling amount in resin, and better thermal conductivity.

Application:

Industry of heat condution and dissipation: thermal pads, silicone grease, thermal paste, heat conducting phase change material.

Industry of electron insulating materials: high heat conduction aluminum base copper clad laminate, printed circuit, LED packaging and heat dissipation, metal casting demoulding, glass forming demoulding, fire resistance, high temperature resistance, oxidation resistance and corrosion resistance industry, thermal engineering plastics, heat conduction and anticorrosive paint, crucible antioxidant coating, high temperature lubricating grease, etc.


Casting and demoulding


Electronic circuits

Silspher Micro-Spherical Silica

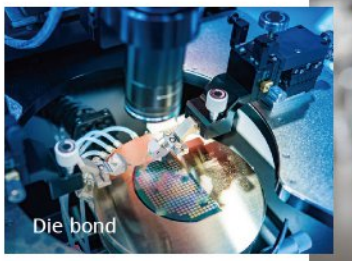
The Patent NO. of China: ZL 201510781190.X

Basic Information:

Micro-Spherical Silica Powder: CAS#: 60676-86-0 Chemical Formula: SiO_2

Melting Point: 1750℃

High purity more than 99%、high whiteness more than 95%、high spheroidization rate、high fluidity.
Low friction coefficient、low expansion coefficient, low dielectric constant、low ion content.

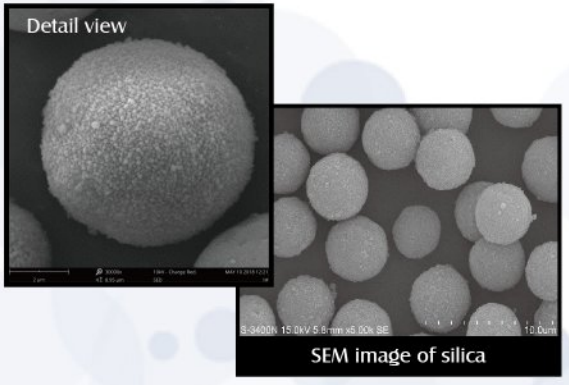

Die bond


Chromatographic column

Technical Index: 【Packaging】20KG/Drum , 25KG/Drum

Product Name	Product Code	Appearance	Mean Particle Size (μm)	BET Specific Surface Area (m^2/g)	Bulk Density (g/cm^3)	Oil Absorption (cc/100g)	pH Value	Feature
Silspher P23	K02201	White powder	3	135	0.34	100-130	6.0-8.0	Electronic packaging
Silspher P25	K02202	White powder	5	115	0.37	90-130	6.0-8.0	Extinction
Silspher P28	K02203	White powder	8	100	0.48	80-120	6.0-8.0	Chromatographic packing
Silspher P212	K02204	White powder	12	103	0.57	70-110	6.0-8.0	Chromatographic packing
Silspher PS23	K02205	White powder	3	135	0.33	100-130	~	Oil-dispersing
Silspher PS25	K02206	White powder	5	115	0.35	90-130	~	Oil-dispersing
Silspher D25	K02209	White powder	5	300	0.65	90-120	7.0-9.0	Uneven particle size

Silspher P Series: Even particle size , Silspher D Series: Uneven particle size



SEM image of silica

Product Feature:

- Molecular sieve structure with uniform pore size, suitable for chromatography with excellent adsorption, slow release and catalytic function.
- Low thermal expansion, low stress, low dielectric, high purity, low ion content, suitable for electronic packaging materials.
- Spherical powder, excellent fluidity, suitable for rheological additives in powder products and anti-adhesive antiblocking agent in membrane products.
- Spherical powder, high porosity, scattering, light absorption, obvious extinction effect.
- Resistance to temperature, weather, abrasion and chemical corrosion.

Application:

Chromatographic column filler, catalyst and its carrier, adsorption, slow release and feed additive industry.
Copper clad laminate, LED and electronic packaging materials, middle and high-end electronic pouring sealant, electronic insulation die attaching resin.
Powder coatings, rubber, ink, sealant and other industries, toothpaste, food, pesticide and other civil use industries.

Tryruti High Performance Titanium Dioxide Powder and Water-Based Dispersion

Basic Information:

Titanium Dioxide Powder: CAS#: 13463-67-7 Chemical Formula: TiO_2

Refractive Index: 2.55-2.76

Selected high-quality titanium dioxide with hydrophilic/lipophilic surface coating, enhance the wettability, dispersity and stability of titanium dioxide in water-based/oil-based systems, improve the compatibility and bonding strength of titanium dioxide with resins and polymers, improve the properties of composites.

Technical Index: 【Packaging】 50KG/Drum

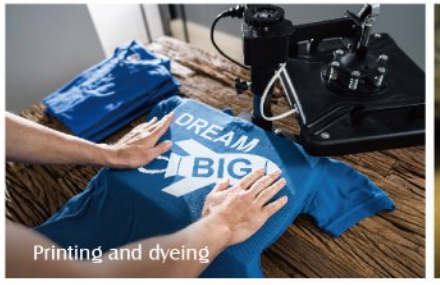
Product Name	Product Code	Crystal Type	Mean Particle Size (nm)	pH Value	Loss on Drying (%)	Surface Coating	Dispersion Property	Feature
Tryruti AQ 51	K02501	Rutile	300	6.0-10.5	<2	Si, Al, Anoin	Hydrophilic	Instantly water-soluble
Tryruti S 58	K02502	Rutile	420	~	<0.5	Zr, Al, Silane	Lipophilic	High covering power
Tryruti 56	K02504	Rutile	280	6.5-8.5	<0.5	Si, Al	Universal	High weathering resistance and high gloss
Tryruti W668	K02506	Rutile	300	6.0-10.5	≥70	Zr, Al	Hydrophilic	Titanium dioxide water dispersion

Product Feature:

- Tryruti AQ water dispersion product: added directly, fast soluble in water, fine milky white, stable suspension, reduce cost.
- Tryruti S oil dispersion product: optional amino, epoxy, vinyl and other surface modifications, improve the compatibility and bond strength of titanium dioxide with resin and polymer.
- Tryruti 56: strong covering power, good gloss, temperature and weather resistance.
- Tryruti W668: a water-based dispersion of high content titanium dioxide, good fluidity, Strong coloring power, easy to use.

Application:

Ink, paint, paper, leather, chemical fiber, printing and dyeing, masterbatch, rubber and plastic, electronic industries.



Printing and dyeing


Masterbatch of titanium dioxide

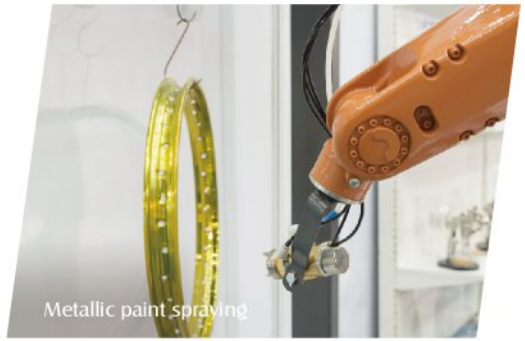
Feiront Water-Based Instant Inorganic Pigment

Basic Information:

Iron Oxide Yellow: CAS#: 51274-00-1 Chemical Formula: $Fe_2O_3 \cdot H_2O$

Iron Oxide Red: CAS#: 1309-37-1 Chemical Formula: Fe_2O_3

Inorganic iron oxide pigment powder with hydrophilic surface coating and anchoring group/block copolymer dispersant, can be quickly wetted and dispersed in water and suspended into emulsion, designed for water-based coloring products, an upgrade alternative to traditional colorant.


Metallic paint spraying

Technical Index: 【Packaging】: 30KG/Drum

Product Name	Product Code	Appearance	Scraper fineness testerl (μm)	Iron Oxide Content (%)	Loss on Drying (%)	Temperature Resistance (℃)	Bulk Density (g/cm³)	Modifier Feature	Dispersion Property
Feiront AQ31Y	K04005	Yellow powder	<5	>93	<2.0	130	0.57	Anioni surfactant	Hydrophilic
Feiront AQ11R	K04004	Red powder	<5	>95	<2.0	300	0.94	Anioni surfactant	Hydrophilic
Feiront AQ91B	K04006	Black powder	<5	>95	<2.0	170	0.90	Anioni surfactant	Hydrophilic

Product Feature:

- Added directly, spread immediately when meeting water, fine milky white, uniform particle size
- Inorganic pigment, strong covering power, no color permeability, no color transfer, resistance to light, weather, solvent and baking.
- High purity pigment powder without water, solvent and resin, less addition to reduce the cost, low oil absorption, the significant reduction in viscosity compared to untreated pigment, an upgrade substitute for pigment slurry, with a wide range of universality and compatibility, stable storage.
- Environment-friendly, heavy metal content compliance with EN71-3 item 19.
- VOC and APEO free.


Coloured athletic track


Coloured ceramic tile

Application:

Colored sand, colored cement mortar, ink, powder coating, paper, leather coating, textile printing and dyeing, ceramics, colored mud, etc.

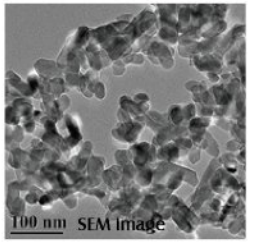
Nano Nano Titanium Dioxide / Nano Zinc Oxide

Basic Information:

Nano Titanium Dioxide: CAS#: 13463-67-7 Chemical Formula: TiO_2

Nano Zinc Oxide: CAS#: 1314-13-2 Chemical Formula: ZnO

Ultraviolet radiation resistance, water resistance, acid resistance, aging resistance, scrub resistance, antibacterial, transparent, heat conduction, strong adhesion, and other special functions.



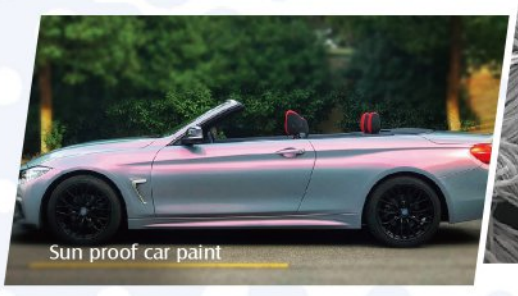
Technical Index:

【Packaging】15KG/Drum, 30KG/Drum

Product Name	Product Code	Appearance	Primary Particle Size (nm)	Content (%)	pH Value	Dispersion Property	Feature
Nanotian AQ50 Nano TiO_2 powder	K02507	White powder	20-50	>90	6.0-8.5	Universal	UVB
Nanotian W50 Nano TiO_2 water-based dispersion	K02508	White liquid with blue light	20-50	50	6.0-8.5	Hydrophilic	UVB
Nanozinco 20 Nano ZnO powder	K03101	White to light yellow powder	30-80	>99	6.0-8.5	Universal	UVA、heat conduction

Product Feature:

- UV absorption, strong shielding ability, the addition of 2-3% can multiply the anti-aging ability and improve the weather resistance of paint film.
- Enhance the bacterial resistance of coating, better mildew resistance, self-cleaning anti-fouling function.
- Blue light and transparency, bring rich color effect to the product, flip-flop effect.
- Increase the hardness, adhesion, abrasion resistance, scratch resistance and thermal conductivity of paint film.



Application:

Industries with requirements of mildew proof, antibacterial, anti-aging and thermal conduction, such as coating, paint, automobile, ink, textile, rubber and plastics, and ceramics.

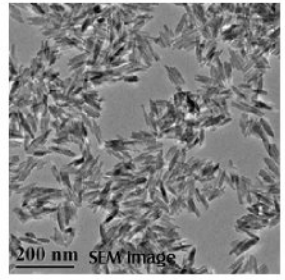
Fluquid Nano Iron Oxide Slurry

Basic Information:

Nano Iron Oxide Yellow: CAS#: 51274-00-1 Chemical Formula: $Fe_2O_3 \cdot H_2O$

Nano Iron Oxide Red: CAS#: 1309-37-1 Chemical Formula: Fe_2O_3

Water-based and environment-friendly slurry, resin and APEO free, low VOC, good compatibility with various water-based resins, excellent grade 8 light resistance and grade 5 weather resistance.



Technical Index: 【Packaging】: 40KG/Drum

Product Name	Product Code	Appearance	Crystal Type	Scraper fineness testerl (μm)	Solid Content (%)	pH Value	Temperature Resistance (℃)	Feature
Fluquid RW-11 Nano iron oxide red slurry	K03012	Brownish red liquid	Sphericity	30	>30	5.0-9.0	300	Antirust
Fluquid YW-31 Nano iron oxide yellow slurry	K03011	Brownish yellow liquid	Needle-type	10-50	>30	5.0-9.0	180	Transparent

Product Feature:

- Water-based slurry, environment-friendly, non-toxic, good dispersity, added directly, avoid dust pollution caused by powder.
- High transparency, can be used together with aluminum-based pigment and pearlescent pigment to give full play to special optical effect and high coloring power.
- High quality UV absorber, excellent resistant ability to light, weather, high temperature, salt, alcohol, acid and alkali, and rust.
- Nano particles, good adhesion with substrate.

Application:

Automotive coating, industrial coating, wood coating, water-based coating, watermark ink, antirust coating and other applications of high-grade systems and UV systems.

Heislur Carbon Black Water-Based Dispersion

The Patent NO. of China: ZL 201510781187.8

Basic Information:

Carbon Black: CAS#: 1333-86-4 CI #: 77266 Black 7

Medium and high color black pigment by furnace process, water-based, environmental protection, good dispersity, high content, low viscosity, good stability, bright black, grade 8 light resistance, grade 5 weather resistance, grade 5 acid and alkali resistance, scraper particle size less than 1 micron.


Spray paint of auto parts

Technical Index: 【Packaging】: 25KG/Drum, 30KG/Drum

Product Name	Product Code	Appearance	Carbon Black Content (%)	Primary Particle Size (nm)	pH Value	Viscosity (cst)	Hue	Feature
Heislur HW88	K02801	Black liquid	≥30	20-30	6.0-9.0	<200	Red	High covering power
Heislur HW55	K02803	Black liquid	≥30	15-20	6.0-9.0	<200	Blue	High brightness

Product Feature:

- Nano particle size, super blackness, strong coloring and covering power, stable suspensibility.
- Super black and bright, mirror effect.
- VOC free, heavy metals and PAHs indicators meet the European and American standards, an environmental- friendly product.
- Inorganic color powder, color does not transfer, water-based and resin free, environmental protection, strong versatility.
- 30% ultra-high content, low viscosity, good fluidity, easy to add and use.
- Resistance to light, weather, chemicals and corrosion, good UV shielding effect.
- Good dispersity, strong endurance to ethanol formula.

Application:

Ink, printing, coating, cement mortar, textile printing and dyeing, paper, leather, color painting, etc.


Hardware parts


Ink print

Gracard Graphene Powder and Water-Based Dispersion

Basic Information:

A graphene powder: The powder structure is mostly single layer with some double and few layers. It is a two-dimensional hexagonal honeycomb lattice material produced by physical technology. It has excellent electrical and thermal conductivity, super high mechanical strength, toughness, self-lubrication and wear resistance. With ultra-thin sheet insulation layer and adhesion, it has good effect in zinc-rich and anti-corrosive system.

Technical Index:

【Packaging】Powder: 5KG/Drum , Dispersion: 30KG/Drum

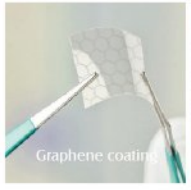
Product Name	Product Code	Appearance	Mean Particle Size (μm)	Lamellar Thickness (layer)	Content (%)	BET Specific Surface Area (m^2/g)	pH Value
Gracard FE-01	K02903	Grey black powder	5-15	3-10	≥99	260-350	5.0-8.0
Gracard WENET-35	K02904	Grey black powder	5-15	3-10	≥3.5	~	5.0-8.0

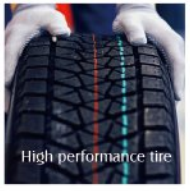
Product Characteristics:

- It has excellent electrical conductivity and good thermal conductivity, which is 2-3 times of that of copper, and its thermal conductivity is 700-1300W/ m.k.
- By mechanical stripping process, 1-10 layer structure, higher monolayer rate, high purity, less impurities, high crystal lattice integrity.
- Intact layer structure, good shielding effect.
- High strength, high flexibility, good mechanical force and adhesion.
- Weather and corrosion resistance, strong antibacterial ability.
- Low friction coefficient, good self-lubrication performance.
- High content of graphene, low viscosity, good fluidity, easy to add.
- Water-based slurry with no resin, good versatility and compatibility.

Application:

Chemical weather resistant coating, heavy anti-corrosion shielding coating.
Thermal insulation coating, LED heat dissipation adhesive, thermal conductive silicone grease.
Conductive ink, antistatic coating, lithium battery anode.
Rubber plastic, resin, fiber textile composites.
Lubricating oil, hydraulic oil, cutting coolant.
Infrared heating, thermal insulation, medical and other industries.





The Patent NO. of China: ZL 20161024203.3

Talict Ultrapure Talc

Basic Information:

Talc Powder: CAS#: 14807-96-6 Chemical Formula: $Mg_3[Si_4O_{10}](OH)_2$

Hydrated magnesium silicate white powder, soft, Moh's hardness 1, leaf-like structure, greasy feeling when applying, pearly luster.


Quality talc ore

Technical Index:

【Packaging】15KG/Package, 20KG/Package, 25KG/Package, 30KG/Drum

Product Name	Product Code	Appearance	Mean Particle Size (μm)	Whiteness	Tap Density (g/cm³)	Oil Absorption (cc/100g)	Loss on Drying (%)	Loss on Ignition (%)	Dispersion Property
Talict 111	K02301	White powder	15	>88	0.7-1.0	25-35	<0.5	<6	Universal
Talict 112	K02302	White powder	10	>90	0.4-0.6	35-50	<0.5	<6	Universal
Talict 113	K02303	White powder	5	>92	0.2-0.4	40-55	<0.5	<6	Universal
Talict S112	K02305	White powder	10	>90	0.4-0.6	30-45	<0.5	~	Lipophilic
Talict AQ113	K02307	White powder	5	>92	0.2-0.4	35-50	<0.5	~	Hydrophilic

Product Feature:

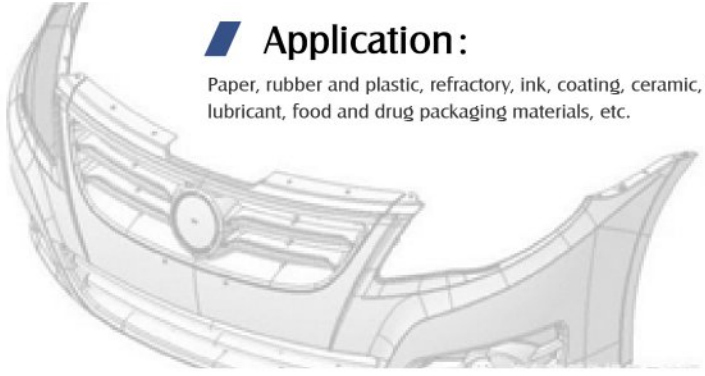
- High quality ore source, high purity, SiO_2 + MgO ≥ 90%, low iron content, high whiteness, low heavy metal content, no asbestos, safe to use.
- Stripping technology production, 1 Moh's hardness, intact glossy flake, more suitable for transparent coating, good processability and polish performance.
- Low density, good modification effect on polyacrylic acid and its general thermoplastics, low price, good processability, excellent miscibility and thinness.
- Good lubricity, adhesion resistance, flow aid performance, fire resistance, acid resistance, insulation, high melting point, inactive chemical property, strong covering power, good softness and luster, strong adsorption capacity.
- Hydrophilic or lipophilic surface modification, improvement in talc's compatibility and combination with resin and polymer, increase in the properties of composite materials.


Auto parts


Paper industry

Application:

Paper, rubber and plastic, refractory, ink, coating, ceramic, insulating material, electronic copper clad laminate, demoulding lubricant, food and drug packaging materials, etc.



Miapeal Wet Processing Mica

Basic Information:

Mica Powder: CAS#: 12001-26-2 Chemical Formula: $K_{0.5\text{-}1}(Al,Fe,Mg)_2(SiAl)_4O_{10}(OH)_2 \cdot nH_2O$

Layered structure silicate mica with clay characteristics.
Wet stripping technology production, large radius-thickness ratio, silk to glass luster, smooth surface, elastic, ductile.
It has the characteristics of insulation, high temperature resistance, corrosion resistance and strong adhesion.


Mica ore

Technical Index: 【Packaging】 30KG/Drum

Product Name	Product Code	Appearance	Mean Particle Size (μm)	Bulk Density (g/cm³)	Whiteness	pH Value	Oil Absorption (cc/100g)	Mineral Powder
Miapeal S-10	K02401	White to light yellow powder	13	0.31	>70	5.0-9.0	55-65	Granulated mica
Miapeal M-10	K02402	White to grey powder	10	0.25	>70	5.0-8.0	50-65	Flaky mica
Miapeal HC-10	K02407	White pearlescent powder	10	0.35	>80	6.0-8.0	55-65	High-purity ultra-white mica
Miapeal HC-20	K02405	White pearlescent powder	20	0.38	>80	6.0-8.0	50-60	High-purity ultra-white mica
Miapeal MS-10	K02406	White to light yellow powder	10	0.31	>70	~	50-60	Lipophilic flaky mica

Product Feature:

- Two-dimensional sheet structure, large radius-thickness ratio, excellent elasticity, ductility, sliding and wear quality, electric insulation, thermal insulation, small thermal expansion coefficient.
- UV shielding ability, infrared and thermal radiation function, chemical acid and alkali resistance, high temperature resistance, heat and fire resistance, good weatherability.
- HC 10 and HC 20 product, bright pearlescent effect, high purity, brilliant white, high temperature resistance, no discoloration, more stable performance.
- Lipophilic surface coating modification, improvement in its compatibility with polymer resin and polymer to obtain materials with higher performance.


Industrial rubber


Thin film

Application:

Engineering plastics, rubber, film, automobile, electronics, paint, coating, refractory material, welding rod, etc.

Putulin Calcined Kaolin

Basic Information:

Kaolin: CAS#: 1332-58-7 Chemical Formula: $Al_2O_3 \cdot 2SiO_2 \cdot 2H_2O$

Calcined kaolin, a clay formed by weathering of schistose silicate ore. With typical clay properties, it is characterized by soft texture, fine particle size, excellent ductility and plasticity, good water dispersity and suspensibility, strong covering power and fire resistance.

Technical Index: 【Packaging】 30KG/Drum

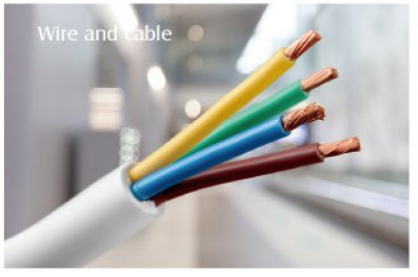
Product Name	Product Code	Appearance	<2μm Particle Size (%)	Whiteness	Oil Absorption (cc/100g)	pH Value	Loss on Drying (%)	325 Mesh Sieve Residue (%)	Dispersion Property
Putulin G2	K02602	White powder	>80	>90	60-90	5.5-8.0	<0.5	<0.7	Universal
Putulin G8	K02601	White powder	>60	>88	50-75	5.5-8.0	<0.5	<0.7	Universal
Putulin GS2	K02604	White powder	>80	>88	50-80	~	<0.5	~	Lipophilic

Product Feature:

- $SiO_2 \geq 52\%$, $Al_2O_3 \geq 44\%$, high purity, almost free of harmful substances, available for high demand products.
- High whiteness, fine particles, strong covering power, partial substitution of titanium dioxide to reduce product cost, improvement in the weatherability and scrub resistance of coatings.
- Low dielectric constant, chemical inertness, thermal stability, wear resistance, perfect for wire and cable filler.
- Porous surface with large specific surface area, good dispersity and suspensibility, excellent anti settling effect.

Application:

Paper, coating, rubber, ink, plastics, cable, ceramic glaze, etc.



Tanscal Superfine Heavy Calcium Carbonate

Basic Information:

Calcium Carbonate: CAS#: 471-34-1 Chemical Formula: $CaCO_3$

It is made of high-quality calcite and marble by machining and crushing.
Refractive index: 1.63; Moh's hardness: 3-3.5; density: 2.7g/cm³; high whiteness.

Technical Index: 【Packaging】: 20KG/Package, 25KG/Package, 30KG/Drum

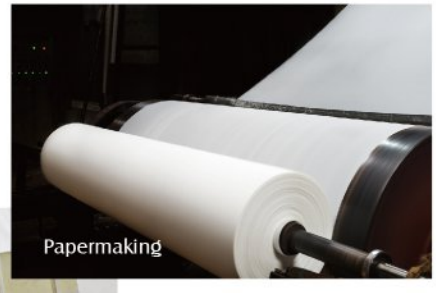
Product Name	Product Code	Appearance	Calcium Carbonate Content (%)	fineness (Mesh number)	Whiteness	Oil Absorption (cc/100g)	Loss on Drying (%)	pH Value	Dispersion Property
Tansccal CA 1	k02701	White powder	≥98	3000	>88	15-25	<0.5	8.0-10	Universal
Tansccal CA 2	k02702	White powder	≥98	5000	>90	23-33	<0.5	8.0-10	Universal
Tansccal CA 3	k02703	White powder	≥98	6000	>90	25-35	<0.5	8.0-10	Universal
Tansccal CAS 2	k02704	White powder	≥98	5000	>90	20-30	<0.5	~	Lipophilic

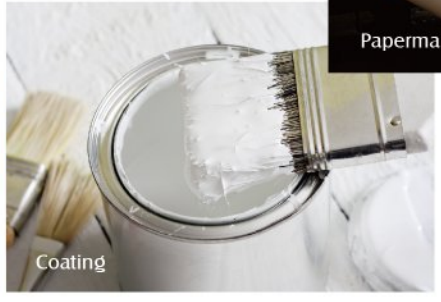
Product Feature:

- White pigment, improve physical properties of coating in whiteness and covering power, enhance properties of paper in whiteness, covering power, smoothness, surface gloss and impact strength.
- Have reinforcing function, increase volume, and reduce cost in plastics. Improve tensile strength, heat resistance, aging resistance, tear resistance, toughness and strength of plastic products.
- Act as a skeleton in coatings. Have characteristics of heat resistance, chemical corrosion resistance, cold resistance, sound insulation, shockproof performance and easy processing, which can improve the wear and weather resistance of coatings.
- Good lubricity and fluidity, resist adhesion and help flow in powder coatings.
- Lipophilic surface modification, low oil absorption, increase the affinity and dispersion stability of the powder in resin and polymer, improve properties of composite material.

Application:

Rubber and plastics, coating, paper, adhesive, high quality ink, refractory, artificial floor tile, feed ingredients, etc.


Papermaking


Coating


Artificial floor tile

Technical Support

KingPowder provides high-value technical support:
In line with the characteristics of industry products and the "personalized" needs of customers.
Innovative, efficient, quality and customized raw materials.
A full-consultant style technical service system.
A perfect solution to maximize customer satisfaction.

King Powder
联锴粉体

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Website

E-Catalog