

HOSHINE

股票代码 603260
STOCK CODE

HOSHINE SILICON ROD CATALOGUE

业产品目录
机械

合盛硅
工业硅

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Room Temperature Vulcanized Silicone Rubber (RTV-1)

Room Temperature Vulcanized Silicone Rubber
(Methyl RTV 107/OH Polymer)

Molecular Formula: $\text{H}(\text{CH}_3)_2\text{SiO}_2\text{H}$

Appearance:

Color and Odor:

Physical State:

Purity: $\geq 99.9\%$

Relative Density (water=1): 0.97

Appearance: Colorless transparent sticky liquid

Properties and Uses:

At room temperature, it can react with crosslinking agents in the presence of catalysts to form a reaction product, which has many excellent properties such as keeping good elasticity.

It is packaged in 190kg/drum steel drum, net weight 190kg/drum International Bulk Container, net weight 950kg/IBC or ISO TANK. Storage at ventilated and dry place and prevention from water, heat and fire. Keep away from alkalis and acids substances and lead. It is non-hazardous substance. Be careful when loading and unloading to avoid damage of the package. During transporting, protect against damp, strong acid and alkali.

Silicone Rubber

Product Name:Silicone Rubber

CAS No.:63394-02-5

Product Standard:GB 1959-2003

Appearance: Milky white/ translucent

Technical Index:

1. Density: 1.21g/cm³

2. Tensile Strength: 1.5MPa

3. Elongation at Break: 150%

4. Compression Set: 10%

5. Heat Resistance: 200°C

6. Cold Resistance: -50°C

7. Aging Resistance: 100h

8. Ozone Resistance: 10pphm

9. Solubility: Insoluble

10. Electrical Resistance: 10¹²Ω·cm

Properties and Uses

Mainly used for water-proof, moisture proof and sealing elements in the area of electronics, high temperature electrical

of silicone products, such as sealing components, sealing rings, keypads, molds, etc.

Package, Storage and Handling

1. Package: 25kg/ bag

2. Storage: Store in a cool, dry place

3. Handling: Avoid contact with acids and alkalis

4. Shelf Life: 12 months

5. Transportation: Avoid exposure to sunlight

6. Disposal: Dispose of according to local regulations

7. Safety: Wear protective gear when handling

8. First Aid: Seek medical attention if ingested

9. Fire: Non-flammable

10. Environmental: Biodegradable

Liquid Silicone Rubber

Product Name: Liquid Silicone Rubber

Properties and Uses

CAS No.:

Product Standard:

Appearance:

Technological Index

Storage and Handling

MSR-1001A	(Pa·s)	(g/cm ³)	(20°C×5min)	(Mpa)	(%)	(100V/m)
	±0.02	±0.02	(shore A)±3			
MSR-1001A	160	1.10	20	6	750	12

net weight 200KG or 20L blue plastic bucket with PE plastic bag inside, net weight 20KG
Component B: Blue gallon steel drum, net weight 200KG or 20L white plastic bucket with PE plastic bag inside, net weight 20KG

obtained using set A and set B according to the proportion of 1:1, then well-mixed, moulded 5 minutes at 175°C.

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and some of the most important findings are:
1. The first, second and third studies show that the
relationship between the variables is positive
and significant. The fourth study shows that the
relationship is positive and significant.

It is used for building and making of animal, drug substances and other animal and making, etc. and used in other various applications of the animal and other products.

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These characteristics, together with the fact that the EPR for a.s.s. and the glass transition are not too far apart, suggest that the same mechanism is operative in both cases.

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Neutral Silicone Sealant

Product Name: Neutral Silicone Sealant

Product Standard: GB/T 14683-2017

Appearance: Fine, uniform paste

Properties and Uses

It is a single-component, neutral-cure silicone sealant, featuring excellent resistance to weather and adhesion property. It is not corrosive to most construction materials except copper. It is good water-proofing material for doors and windows due to its excellent adhesion. It is suitable for sealing application of doors and windows, glass, metal, stone, ceramic, etc.

Package, Storage and Handling

Steel drum, net weight 190kg/drum. It is non-hazardous goods. It shall be stored below 27°C in a cool and dry place. It has a shelf life of 9 months. It is recommended to use within 6 months after purchase.

Technological Index:

Item	Index														
Model	HS-6100		HS-6115		HS-6130		HS-6100W		HS-6115W		HS-6130W		HS-6100B	HS-6115B	HS-6130B
Flow, Sag or Slump:	A Vertical Deposited (mm) ≤		1	2	2		1	2	2		1	2	2		
	B Level Deposited (mm) ≤		No Deformation		No Deformation		No Deformation		No Deformation	No Deformation	No Deformation	No Deformation	No Deformation	No Deformation	No Deformation
Extrusion ability (ml/min) ≥			150	180	180		150	180	180		150	180	180		
Tack-free time (h: 25°C, 50% RH) ≤			2	2	2		2	2	2		2	2	2		
Tensile Modulus, MPa:	A 23°C		≥0.2		≤0.2		≥0.2		≤0.2		≥0.2	≤0.2	≤0.2		
	B 20°C		>0.6	≤0.6	≤0.6		>0.6	≤0.6	≤0.6		>0.6	≤0.6	≤0.6		

Dimethylcyclsiloxane (DMC)

Product Name: Dimethylcyclsiloxane (DMC)		Properties and Uses:	
Molecular Formula: $[(CH_3)_2SiO]_n$, $n=3\sim7$		It is colorless, inflammable, and can not dissolve in water, but dissolve in organic solvents such as hexamethyldisiloxane, tetrahydrofuran, and dimethyl sulfoxide.	
CAS No.:		75-50-7	
Product Form/Standard:		Liquid	
Physical and Chemical Properties:		Boiling Point: 100-105°C	
Appearance:		Package, Storage and Handling:	
		DMC is a colorless, odorless liquid. It is highly stable and resistant to oxidation and reduction. It is used as a solvent in various chemical reactions and as a component in various materials. It is also used in the production of various polymers and resins.	
Content of Hexamethyldisiloxane/% ≤		0.005	
Acidity (expressing as HCl)/mg/kg		0.001	
			
			
			
			

Hydroxyl Terminated Polydimethylsiloxane Linear

Product name: Hydroxyl terminated polydimethylsiloxane linear

CAS No.: /

Product Standard: HG/T 3846-2006

Technical and Commercial Properties:

Appearance:

Color: Clear, colorless liquid

Odor: No odor

Specific Gravity: 0.960-0.965 (at 20°C)

Viscosity: 0.1-0.2 (at 25°C)

Flash Point: 10-15°C

Boiling Point: 100-110°C

Freezing Point: -100°C

Storage: Store in a cool, dry and ventilated place. Prevention from direct sunlight, isolation from fire sources and keep away from heat sources.

Transportation: Non-hazardous

Handling: No special handling required

Disposal: No special disposal required

Notes: Hydroxyl terminated polydimethylsiloxane linear is packed in clean, dry and well-sealed steel drums or plastic IBCs, and water infiltration is strictly prohibited. 950kg/IBC or 190kg/drum.

Store it in a cool, dry and ventilated place. Prevention from direct sunlight, isolation from fire sources and keep away from heat sources.

Technical Index:

Item

First Grade Qualified Grade

≤ 3

99.0 97.0

Turbidity /NTU

150°C Non-Volatiles /%

0.001

0.001

0.001

0.001

Octamethylcyclotetrasiloxane (D₄)

Product Name:

Prepares Additive:

Molecular Formula:

Chemical Name:

Chemical Structure:

Product Standard:

Physical and Chemical Properties:

Physical and Chemical Properties:

Appearance:

Package Name and Quantity:

Weight:

Octamethylcyclotetrasiloxane (D₄)

from oxidant, acid and alkali. The storage area should be equipped with the corresponding species and quantity of fire equipment and leakage emergency equipment. Handling according to hazardous substances. Be careful when loading and unloading to avoid damages on the package.

Item	Index
Chroma/Platinum-cobalt scale/Hazen unit	≤ 10
Refractive index n _D ²⁰	1.3960-1.3970
Content of Octamethylcyclotetrasiloxane (D ₄)	≥ 99.0%

Octamethylcyclotetrasiloxane (D₄) is a colorless, odorless, non-flammable liquid. It is used as a dielectric fluid in electrical equipment, as a heat transfer medium in industrial processes, and as a component in various chemical formulations. It is also used in the production of silicones and as a solvent for certain polymers. The product is stable under normal conditions but should be stored in a cool, dry place away from heat and light. It is not compatible with strong acids, alkalis, and certain organic solvents. Proper handling and storage procedures should be followed to ensure safety and product integrity.

Octamethylcyclotetrasiloxane (D₄) is a colorless, odorless, non-flammable liquid. It is used as a dielectric fluid in electrical equipment, as a heat transfer medium in industrial processes, and as a component in various chemical formulations. It is also used in the production of silicones and as a solvent for certain polymers. The product is stable under normal conditions but should be stored in a cool, dry place away from heat and light. It is not compatible with strong acids, alkalis, and certain organic solvents. Proper handling and storage procedures should be followed to ensure safety and product integrity.

Decamethylcyclopentasiloxane (D₅)

Product Name: Decamethylcyclopentasiloxane

Molecular Formula: $C_{10}H_{30}O_5Si_5$

Molecular Weight: 370.77

CAS No.: 541-02-6

Product Standard: T/FSI 010-2017

Physical and Chemical Properties: Boiling Point: 90°C 10mm Hg

Flash Point: 73°C

Relative Density (water=1): 0.958

Appearance: Colorless to light yellow liquid with no odor

Preparative Method:

It is widely used in cosmetics and body care products. Such as skin care, sunscreen, makeup, hair conditioning products, good compatibility with most of the alcohol and other cosmetic solvents. Be directly used as the carrier, the main raw material, also can be used as an additive; and be used in aqueous systems by the method of emulsification.

Package, Storage and Handling

Steel drum, net weight 190kg/drum or International Bulk Container, net weight 1500kg/IBC. Store in a cool, dry,



Chemical Structure

Item	Value
Decamethylcyclopentasiloxane (D ₅)	50
Decamethylcyclopentasiloxane (D ₅)	10-15
Decamethylcyclopentasiloxane (D ₅)	10-15
Decamethylcyclopentasiloxane (D ₅)	10-15
Decamethylcyclopentasiloxane (D ₅)	10-15
Decamethylcyclopentasiloxane (D ₅)	10-15

Decamethylcyclopentasiloxane (D₅) is a colorless to light yellow liquid with no odor.

Decamethylcyclopentasiloxane (D₅) is a colorless to light yellow liquid with no odor. It is widely used in cosmetics and body care products. Such as skin care, sunscreen, makeup, hair conditioning products, good compatibility with most of the alcohol and other cosmetic solvents. Be directly used as the carrier, the main raw material, also can be used as an additive; and be used in aqueous systems by the method of emulsification.

Decamethylcyclopentasiloxane (D₅) is a colorless to light yellow liquid with no odor. It is widely used in cosmetics and body care products. Such as skin care, sunscreen, makeup, hair conditioning products, good compatibility with most of the alcohol and other cosmetic solvents. Be directly used as the carrier, the main raw material, also can be used as an additive; and be used in aqueous systems by the method of emulsification.

Trichlorosilane (TCS/TH)

Trichlorosilane

Trichlorosilane

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Trichlorosilane

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Trichlorosilane

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Trichlorosilane (TCS/TH)

Trichlorosilane (TCS/TH)

Trichlorosilane

Trichlorosilane is a colorless, volatile liquid with a strong, pungent odor. It is highly flammable and reacts violently with water, releasing hydrogen chloride gas. It is used in the production of silicones, polysiloxanes, and other silicon-based materials.

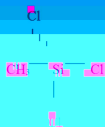
Trichlorosilane (TCS/TH)

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Trichlorosilane

Trichlorosilane (TCS/TH)

Trichlorosilane (TCS/TH)

Trichlorosilane (TCS/TH)

Dimethyldichlorosilane (DMDCS/M₂)

Product Name:Dimethyldichlorosilane (DMDCS)

Molecular Formula:(CH₃)₂SiCl₂

Molecular Weight:129.1

CAS No.757855

UN No.:1162

Product Standard:GB/T 23953-2009

Physical and Chemical Properties:

Properties and Uses

It is inflammable and easy to explode. It is a base material for manufacturing organic silicon intermediates, silicone oil, silicone rubber and silicone resins. It can also be used to manufacture super heat-resisting and high strong silicon carban fiber.

Package, Storage and Handling

Steel drum/Plastic drum, net weight 200kg/drum or ISO TANK. Storage at ventilate and

Highpurity: 99.999% (GC)

Highpurity: 99.999% (GC)

Water: 0.01% (GC)

Appearance: Colorless, transparent liquid with strong, pungent odor.

Chemical Formula:



Boiling Point:

5.4°C

Flash Point: 10.0°C

10.0°C

Autoignition Temp: 10.0°C

10.0°C

Chemical Properties: DMDCS is a colorless, transparent liquid with a strong, pungent odor. It is highly volatile and flammable.

Reactivity: DMDCS is highly reactive with water, alcohols, and other organic compounds. It can also react with strong oxidizing agents.

Compatibility: DMDCS is compatible with many organic solvents, including hexane, heptane, and octane. It is not compatible with strong oxidizing agents.

Physical Properties: DMDCS is a colorless, transparent liquid with a boiling point of 5.4°C. It has a density of 0.908 g/cm³ at 20°C.

Chemical Properties: DMDCS is highly reactive with water, alcohols, and other organic compounds. It can also react with strong oxidizing agents.

Chemical Properties: DMDCS is highly reactive with water, alcohols, and other organic compounds.

Trimethylchlorosilane (TMCS/M₃)

Product Name: Trimethylchlorosilane (TMCS)

Molecular Formula: (CH₃)₃SiCl

Molecular Weight: 105.09

CAS No.:

UN No.:

Properties and Uses

It is a volatile and inflammable liquid, and mainly used to manufacture and capping organosilanes, silanes, siloxanes, etc. It is a reagent for

Package, Storage and Handling

Product Standard:

Physical and Chemical Properties:

Boiling Point: 57.5°C

Auto-ignition Temperature: 395°C

Explosion Limits Lower[% (V/V)]: 1.8

Explosion Limits Upper[% (V/V)]: 6

Water Solubility: Reaction

PH: Reacts with water to produce

hydrogen chloride.

sunlight and rain. Be careful when loading and unloading to avoid damages of the package.

Chemical Stability: Stable in closed containers under specified storage and handling conditions.

Conditions to Avoid: Incompatible materi-

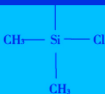
Pressure: 26.7 kPa (at 20°C)

Color: Colorless or slightly yellow transparent liquid

als, any sources of ignition or heat, exposure to moist air or water, electrical

Vapour Pressure

Appearance



Physical Index:

	Index
Trimethylchlorosilane, %	99.95
Trimethylchlorosilane, %	0.020
Silicon Tetrachloride, %	0.10

als, any sources of ignition or heat, exposure to moist air or water, electrical

is violently with water to produce hydrogen chloride. Reacts violently with alcohols, amines causing fire and explosion hazard.) Hazardous Decomposition Products: The substance decomposes on heating producing toxic and corrosive fumes including hydrogen chloride, phosgene, and silica compounds. Reacts with water to produce hydrogen chloride.

Hazardous Polymerization: Will not occur.

Technical

Item

Content of

Content of

Content of

Methyldichlorosilane (MDCS/MH)

Product Name: Methyldichlorosilane (MDCS/MH)

Stock Code: 000000

CAS No. 75-07-4

Molecular Weight: 105.1

CAS No. 75-07-4

M.W. 105.1

Physical Form: Colorless liquid

Boiling Point: 47.8°C (at 1 atm)

Melting Point: -105°C

Density: 0.908 g/cm³

Flash Point: 15°C

Molecular Weight: 105.1

CAS No. 75-07-4

M.W. 105.1

Physical Form: Colorless liquid

Boiling Point: 47.8°C (at 1 atm)

Melting Point: -105°C

Density: 0.908 g/cm³

Flash Point: 15°C

Molecular Weight: 105.1

CAS No. 75-07-4

M.W. 105.1

Physical Form: Colorless liquid

Boiling Point: 47.8°C (at 1 atm)

Melting Point: -105°C

Density: 0.908 g/cm³

Flash Point: 15°C

Molecular Weight: 105.1

CAS No. 75-07-4

M.W. 105.1

Physical Form: Colorless liquid

Boiling Point: 47.8°C (at 1 atm)

Melting Point: -105°C

Density: 0.908 g/cm³

Flash Point: 15°C

Molecular Weight: 105.1

CAS No. 75-07-4

M.W. 105.1

Physical Form: Colorless liquid

Methyldichlorosilane (MDCS/MH) is a colorless, odorless liquid used in various industrial applications, including as a reagent in organic synthesis and as a component in certain types of silicones.

Methyldichlorosilane (MDCS/MH)

Methyldichlorosilane (MDCS/MH) is a colorless, odorless liquid used in various industrial applications, including as a reagent in organic synthesis and as a component in certain types of silicones. It is a volatile liquid with a boiling point of 47.8°C and a melting point of -105°C. It is highly flammable and reacts with water to form silicic acid and hydrogen chloride.

Methyldichlorosilane (MDCS/MH) is a colorless, odorless liquid used in various industrial applications, including as a reagent in organic synthesis and as a component in certain types of silicones. It is a volatile liquid with a boiling point of 47.8°C and a melting point of -105°C. It is highly flammable and reacts with water to form silicic acid and hydrogen chloride.

Methyldichlorosilane (MDCS/MH)

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Methyldichlorosilane (MDCS/MH)

Methyldichlorosilane (MDCS/MH)

1. Indicate the appropriate Likert-type
response for each item = 1 = not, not
 very, not at all; 2 = somewhat, some
 amount; 3 = moderate, fair; 4 = quite
 a bit, considerable; 5 = very, very
 much.

References

Thompson **Frank** **1910**

[illegible]

High Boiling silicone oil

Product Name: High Boiling Silicone Oil

Properties and Uses:

CAS No.: /

It is used as a lubricant, as a material in the field of sealants, as a treatment agent

Product Standards: JIS K1007-2017

Chemical Properties:

Physical and

Appearance:

Package, Storage and Handling:

Technological Index:

Density (20℃) (g/cm ³)	0.960~1.100
Refractive Index nD25	1.430~1.470
Acid Value (in KOH terms)/ (mg/g)	≤ 0.20

Remarks: In addition to the above, if customers have

Tetramethyldisiloxane (TMDS)

Product Name: Tetramethyldisiloxane

Preparation and Use:

Molecular Formula:

Molecular Weight:

CAS No.:

Product Standard:

Appearance: Colorless, transparent liquid

Relative Density (4/4): 0.8385

Refractive Index (20): 1.3990-1.4010

Boiling Point (mmHg): 37.5°C

Flash Point (mmHg): 10°C

Freezing Point (mmHg): -125°C

Preparation: Silicon and hydrogen chloride

Chemical Structure:



Preparation and Use:

Item	Value
Relative Density (4/4)	0.8385

Preparation and Use:

Preparation and Use: TMDS is a colorless, transparent liquid. It is used in the preparation of various silicones and in the synthesis of various organic compounds. It is also used in the preparation of various polymers and in the synthesis of various inorganic compounds. It is also used in the preparation of various coatings and in the synthesis of various pigments.

Chemical Structure:

Chemical Structure: TMDS is a colorless, transparent liquid. It is used in the preparation of various silicones and in the synthesis of various organic compounds. It is also used in the preparation of various polymers and in the synthesis of various inorganic compounds. It is also used in the preparation of various coatings and in the synthesis of various pigments.

Methyl Hydrogen Silicone Fluid

Product Name: Methyl Hydrogen Silicone Fluid

Molecular Formula: $C_2H_5OSi(CH_3)_n(C_2H_5)_2$

Properties and Uses

With the action of metal salt catalyst, it can form a durable, dense and impermeable film.



Application: Coating, Sealing, Adhesive, etc.

Appearance: Colorless to light yellow, transparent liquid.

Chemical Structure



Properties: High thermal stability, excellent electrical insulation, good chemical resistance, and low surface energy. It is widely used in the fields of electronics, aerospace, and automotive.

Technical Data Sheet

Item	Value
Appearance	Colorless to light yellow liquid
Boiling Point (°C)	150-160
Flash Point (°C)	10
Viscosity (cP)	1

Notes: The above data are for reference only. Actual data may vary.

Storage, Handling and Safety

Store in a cool, dry place, away from heat and light. Avoid contact with strong acids, alkalis, and oxidizers. Use appropriate personal protective equipment (PPE) when handling. In case of fire, use dry powder or carbon dioxide extinguishers. Do not breathe vapors. If inhaled, move to fresh air. If swallowed, do not induce vomiting. Seek medical attention if symptoms persist.

Polydimethylsiloxane (201 Methyl Silicone Fluid)

Product Name: Polydimethylsiloxane (201 Methyl Silicone Fluid)

Properties: 201-100

Chemical structure:

High heat resistance, also has the good heat stability and electrical properties. It has excellent

chemical stability and is not affected by acids, alkalis, and oxidizing agents.

Appearance:

Color:

State:

Grade:

It is a colorless, odorless, non-toxic, and non-flammable liquid.

Technical data:

Structural formula:



It has excellent properties: moisture resistance and chemical stability. It also can be made release agent of plastic or rubber materials.

It is a colorless, odorless, non-toxic, and non-flammable liquid.

Package, Storage and Handling:

and use it with caution and keep it away from oxidability materials during storage.

Technical data table:

Item	Index						
	201-100	201-200	201-350	201-500	201-1000	201-12500	201-60000
Viscosity(25°C)/(mm ² /s)	100±5	200±20	350±20	500±25	1000±50	12500±630	60000±3000
Flash point(Opened cup),°C/ ≥	310	310	315	315	320	330	330
Density(25°C)/g/cm ³							

Vinyl Terminated Silicone Fluid

Product Name: Vinyl Terminated Silicone Fluid

CAS No.: 68083-19-2

Product Standard: T/FSI018-2019

Appearance: Transparent liquid without mechanical impurities

compliance, plasticizers, thermal stability, electrical insulation, weather resistance, waterproof, gas permeability, thermoplastic

Properties and Uses

It belongs to the addition polymer and has the physical properties of organic polymer as the modifier. It can be used for surface lubrication, scratch resistance, internal lubrication, demoulding effect, internal mold release agents, low temperature

Technological Index:

Impurity Content /%	Viscosity (cSt) /%		Grade	Viscosity (cSt) /mPas
0.90-1.10	1.5	Package, Storage and Handling Steel drum, net weight 190kg/drum. Storage at a cool, dry and well-ventilated place and keep away from fire, rain, moisture and sunshine. Avoid to contact with strong acid and alkali. It is nonhazardous substance. Be	HS-100	90-110
0.47-0.58	1.5		HS-350	315-385
0.39-0.46	1.5		HS-500	450-550
0.29-0.36	1.5		HS-1000	900-1100
0.18-0.23	1.5		HS-3500	3150-3850
0.13-0.17	1.5		HS-10000	9000-11000

Silicon Metal Powder

Product Name: Silicon Metal Powder

Product Code: HSP-001

Product Weight: 100g

Physical and Chemical Properties: Melting Point: 1410°C

Boiling Point: 2355°C

Particle Size: 100µm

Appearance:

Technical Data Sheet



Product Name and Uses

Product Name: Silicon Metal Powder

Product Uses: Silicon Metal Powder is used in the production of silicon alloys, silicones, and silicones.

Product Name and Handling

Product Name: Silicon Metal Powder

Product Handling: Silicon Metal Powder is highly reactive and should be handled with care.

Fine Silicon Metal Powder

Product Name: Fine Silicon Metal Powder		Properties and Uses	
CAS No.: 7440-00-0		Molecular Weight: 28.0855	
Product Standard: Q/HSH 029-2008		Manufacturing Process: Electrolysis	
Physical and Chemical Properties: Melting Point: 1410°C			
Purity: ≥99.99%		Solubility: Insoluble in water, soluble in organic solvents	
Particle Size: ≤45μm		Density: 2.33 g/cm³	
Appearance: Greyish black fine powder		Uses: Used in the production of silicon alloys, solar cells, and as a reducing agent in metallurgy.	
Safety: Highly flammable, avoid contact with air and moisture.		Storage: Store in a dry, sealed container.	
Packaging: 25kg bag		Transportation: Classified as a flammable solid.	
Contact Information: Shanghai Hoshine Metal Co., Ltd.		Website: www.hoshine.com	