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**DMF
FREE**

About *SORBSTAR*

SORBSTAR is a leading manufacturer of desiccants and adsorbents in China, specializing in research, development, and production of moisture-absorbing and anti-corrosion solutions.

We are committed to serving diverse industries such as lithium batteries, automotive parts, electronics, food, biotechnology, hardware, machinery, and marine container shipping. With advanced manufacturing facilities, experienced R&D teams, and strict quality control systems, SORBSTAR ensures that every product meets international standards of safety, efficiency, and reliability.

Our comprehensive product portfolio includes silica gel desiccants, calcium chloride super absorbents, magnesium chloride desiccants, container desiccants, clay and mineral desiccants, strip desiccants, calcium oxide desiccants, flower drying agents, and activated carbon adsorbents.

All our desiccants are tested and certified to meet global export standards. Our desiccant products comply with REACH and ROHS standards, and we can provide SGS product test reports, halogen and sulfur element test reports, and MSDS chemical composition reports.



CONTENTS

- | | | | |
|------------|---|------------|--|
| 01. | Calcium Chloride Desiccant | 08. | Non-Indicating Silica Gel Packets (White) |
| 02. | Magnesium Chloride Desiccants | 09. | Indicating Silica Gel Packets (Orange & White Mixed) |
| 03. | Blue Silica Gel Beads | 10. | Montmorillonite Clay Desiccant |
| 04. | Orange Silica Gel Beads | 11. | Mineral Clay Desiccant |
| 05. | White Silica Gel Beads | 12. | Container Desiccants |
| 06. | Indicating Silica Gel Packets (Blue to Pink) | 13. | Flower Drying Crystals |
| 07. | Indicating Silica Gel Packets (Orange to Green) | | |

Silica Gel Beads

Silica gel is a type of reusable desiccant that adsorbs moisture and lowers humidity in enclosed spaces preventing the formation of mould, condensation and rust. It is odourless, non-toxic, non-corrosive, and chemically inert. During adsorption, silica gel beads remain dry and retain their size & shape.

Silica gel is available in non-indicating and indicating varieties. Indicating silica gel changes colour to show when it has reached its capacity for moisture adsorption and requires replacement or reactivation.

It is used in a broad range of commercial and industrial applications including: transformer breathers, compressed air systems, electrical boxes, mining, aerospace and laboratories.

We offer all these particle sizes: 1–3mm, 2–4mm, and 3–5mm.

All our silica gel beads are **tested and certified** to meet global export standards, Our silica gel desiccant products comply with **REACH** and **ROHS** standards, and we can provide **SGS product test reports, halogen and sulfur element test reports, and MSDS chemical composition reports.**



Blue Silica Gel Beads

Blue → Pink



Orange Silica Gel Beads

Orange → Green



White Silica Gel Beads

White (non-indicating)



Silica Gel Beads Blue

(1-3mm, 2-4mm, 3-5mm) Available

Blue silica gel turns pink as it adsorbs moisture, indicating the need for reactivation or replacement. Prevents the formation of mould, condensation and rust in enclosed spaces.

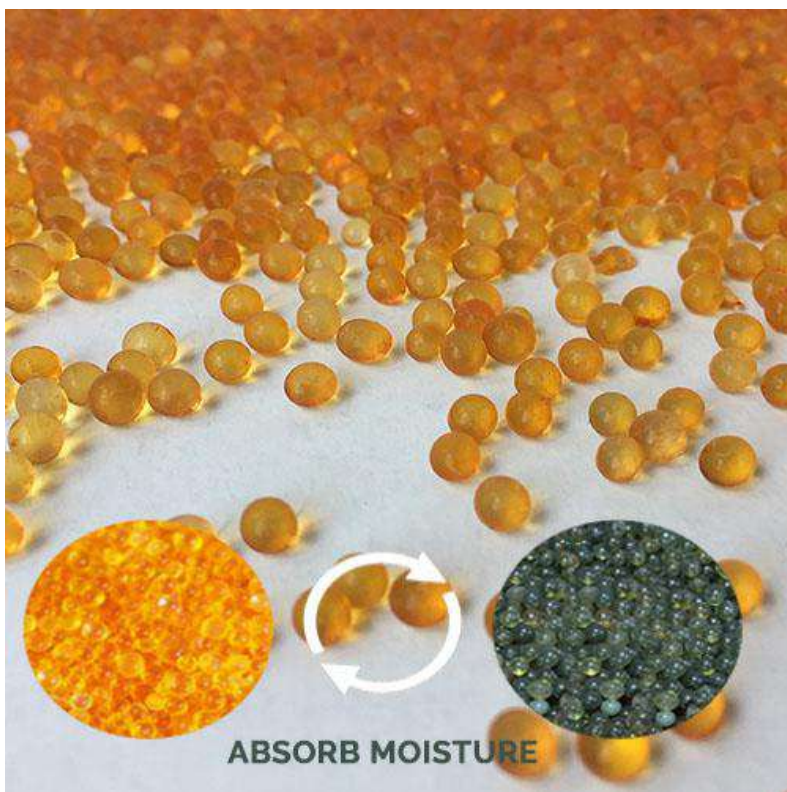
- Beads contain blue to pink moisture indicator
- Lowers relative humidity to approximately 35-40%
- Prevents mould, condensation & rust
- Remains dry when saturated with moisture
- Reusable
- Inert and non-toxic
- Non-corrosive

Blue indicating silica gel is ideal in applications where visual control of moisture is required. The silica gel will turn from blue to pink as it adsorbs moisture, indicating the need for reactivation or replacement. Silica gel works by adsorbing and trapping moisture from the air, lowering humidity and preventing the formation of mould, condensation, and rust in enclosed spaces.

Silica gel's high surface area allows it to adsorb up to 35%- 40% of its weight in moisture while remaining dry to the touch. It is inert, non-toxic and has the ability to be reactivated multiple times. Silica gel will remove moisture at temperatures as high as 60°C, but it is best used at room temperature (20-35 °C) and high relative humidity (60-90% RH).

When silica gel turns pink, reactivate as follows:

Spread silica gel on a tray and place in an oven at 115°C to 125°C for approximately 2-3 hours or until beads turn blue again. Once the silica gel has been reactivated, remove from the oven and let cool until able to handle. Store silica gel in a sealed container until ready to use.



Silica Gel Beads Orange

(1-3mm, 2-4mm, 3-5mm) Available

Orange silica gel turns green as it adsorbs moisture, indicating the need for reactivation or replacement. Prevents the formation of mould, condensation and rust in enclosed spaces.

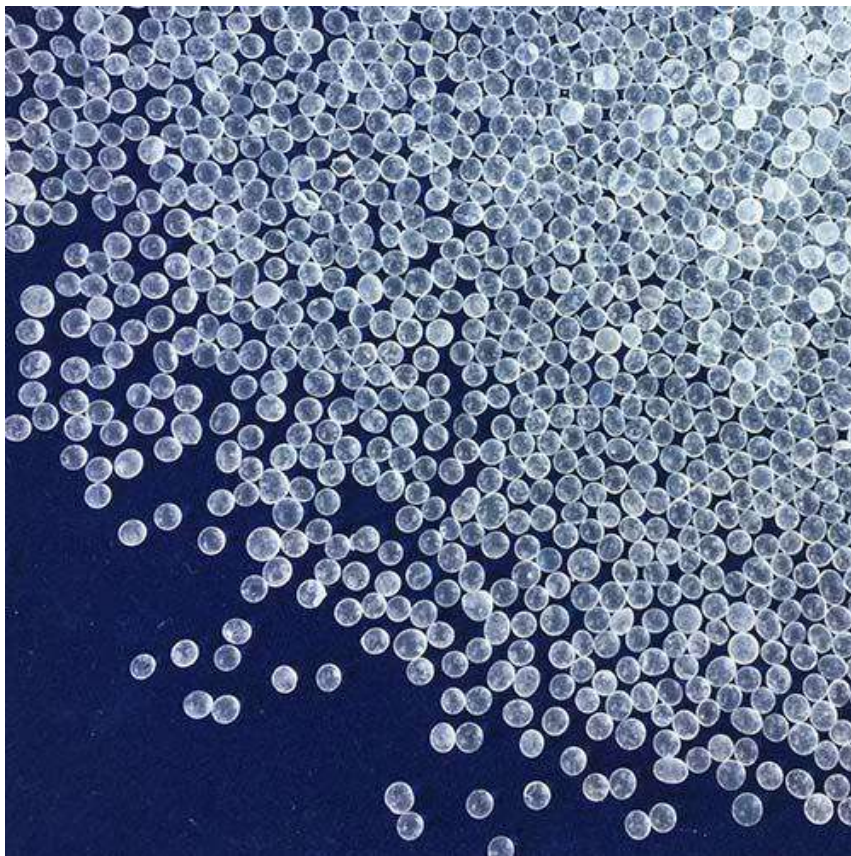
- Beads contain orange to green moisture indicator
- Lowers relative humidity to approximately 35-40%
- Prevents mold, condensation & rust
- Remains dry when saturated with moisture
- Reusable
- Inert and non-toxic
- Non-corrosive

Orange indicating silica gel is ideal in applications where visual control of moisture is required. The silica gel will turn from orange to green as it adsorbs moisture, indicating the need for reactivation or replacement. Silica gel works by adsorbing and trapping moisture from the air, lowering humidity and preventing the formation of mold, condensation, and rust in enclosed spaces.

Silica gel's high surface area allows it to adsorb up to 40% of its weight in moisture while remaining dry to the touch. It is inert, non-toxic, and has the ability to be reactivated multiple times. Silica gel will remove moisture at temperatures as high as 60°C, but it is best used at room temperature (20-35 °C) and high relative humidity (60-90% RH).

When silica gel turns green, reactivate as follows:

Spread silica gel on a tray and place in an oven at 115°C to 125°C for approximately 2-3 hours or until beads turn orange again. Once the silica gel has been reactivated, remove from the oven and let cool until able to handle. Store silica gel in a sealed container until ready to use.



Silica Gel Beads **white**

(1-3mm,2-4mm,3-5mm) Available

White non-indicating silica gel prevents the formation of mould, condensation and rust in enclosed spaces by adsorbing excess moisture.
(Does not contain a moisture indicator.)

- Lowers relative humidity to approximately 35-40%
- Prevents mold, condensation & rust
- Remains dry when saturated with moisture
- Reusable
- Inert and non-toxic
- Non-corrosive

Silica gel works by adsorbing and trapping moisture from the air, lowering humidity and preventing the formation of mold, condensation, and rust in enclosed spaces.

Silica gel's high surface area allows it to adsorb up to 40% of its weight in moisture while remaining dry to the touch. It is inert, non-toxic, and has the ability to be reactivated multiple times. Silica gel will remove moisture at temperatures as high as 60°C, but it is best used at room temperature (20-35°C) and high relative humidity (60-90% RH).

Reactivation Instructions:

Spread silica gel on a tray and place in an oven at 115°C to 125°C for approximately 2-3 hours. Once the silica gel has been reactivated, remove from the oven and let cool until able to handle. Store silica gel in a sealed container until ready to use.

Application

Silica Gel Bead Desiccant Application

White Silica Gel Beads

- ✓ Pharmaceuticals
- ✓ Food Packaging
- ✓ Electronics
- ✓ Textiles & Leather
- ✓ General Cargo & Warehousing

Blue Silica Gel Beads

- ✓ Optical & Precision Instruments
- ✓ Aerospace & Defense
- ✓ Industrial Machinery
- ✓ Scientific Labs
- ✓ Transformer Breathers & Air Dryers

Orange Silica Gel Beads

- ✓ Pharmaceutical & Medical
- ✓ Food & Nutraceutical Packaging
- ✓ Consumer Electronics
- ✓ Automotive Parts
- ✓ Museum & Archives

Product Wholesale & Customization

we offer wholesale discounts for bulk orders and custom packaging to align with your brand identity.Private label, custom packaging, and OEM orders are welcome.



Packaging Type	Description	Common Sizes
Paper Sachets (Composite/Kraft)	Used in electronics, footwear, medicine packaging	0.5g / 1g / 2g / 3g / 5g / 10g
Non-Woven Fabric Bags	Good air permeability, commonly used in food or pharma	1g~ 100g
Transparent Plastic Bags (OPP/PE)	Visible content, with printed labels	2g ~ 50g



Packaging Type	Description	Common Sizes
Plastic Bottles (With Screw Cap)	Well-sealed, ideal for labs, homes, or offices	250g/500g
Resealable Ziplock/Foil Bags	Moisture-proof and reusable	100g ~ 1kg
Plastic Jars(PET/HDPE)	Durable and pressure-resistant	4.5kg/5kg



Packaging Type	Description	Common Sizes
Woven Bags/Kraft Paper Composite Bags	Moisture-proof and suitable for export handling	25kg
Plastic Barrels	Highly sealed, suitable for long-term storage	16kg/20kg



Packaging Type	Features
Corrugated Cartons(5-ply / 7-ply)	Inner packs loaded inside, with printed export labels
Pallet + Stretch Film Wrap	Prevents shifting during sea shipment, forklift-friendly
With Container Desiccants	Used together with container desiccants for long-distance sea freight