



Bhoomii India Packwell Pvt. Ltd.

Applications

- 1. Electronics & Electrical Equipment**
prevents moisture damage in packed goods
- 2. Pharmaceuticals**
protects tablets, powders, and capsules
- 3. Automotive Components**
rust prevention during export or storage
- 4. Leather Goods & Footwear**
avoids fungal or mold growth
- 5. Garments & Textiles**
moisture control in packaging
- 6. Metal Parts & Machinery**
protection during shipping or storage
- 7. Food Packaging**
safe-grade silica used in dry packaged items
- 8. Shipping Containers**
controls humidity in long-haul logistics



Specifications

Parameter	Specification
Chemical Name:	Silicon Dioxide ($\text{SiO}_2 \cdot n\text{H}_2\text{O}$)
Appearance:	White Silica Gel: Non-indicating type, Blue Silica Gel: Indicating type (blue to pink color change when saturated)
Form:	Beads or Granules
Particle Size:	1–3 mm, 2–4 mm, 3–5 mm (customized sizes available)
Packaging:	Pouch: 1 gm to 1 kg, Bulk: 25 kg HDPE drum/bag
Pouch Material:	Non-woven fabric, Tyvek, Cotton, or Paper
Moisture Absorption Capacity:	30–40% of its own weight
Shelf Life:	Up to 2 years (if stored in airtight condition)

Advantages

- **Excellent Moisture Absorption** - keeps packaging dry and rust-free
- **Safe & Non-Toxic** - food and pharma-grade options available
- **Easy to Use** - drop-in pouch format, no special handling
- **Color Indication** - blue silica gel changes color to pink on saturation
- **Customizable Sizes** - available in various pouch weights and materials
- **Reusable** - can be regenerated by heating (for non-pouch bulk type)
- **Long Shelf Life** - if stored in sealed packaging
- **Brand Reliability** - consistent quality from Silica Gel Industries

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Location