

# Repackaging Silica Gel



## Summary

Repackaging silica gel requires strict humidity and air exposure control to prevent premature saturation.

The goal is to minimize moisture pickup during handling and packaging.

## Repackaging Silica Gel

### Workspace Requirements

- **Relative Humidity (RH):** Maintain an environment of  $\leq 30\%$  RH. (<20% RH ideal for critical applications).
- **Temperature:** Keep the room temperature between 15°C and 25°C.
- **Air-conditioned rooms alone are often insufficient in humid climates; a dehumidified room is better.**
- **High humidity will cause the gel to absorb moisture from the air before you even seal the containers.**
- **Ventilation:** Work in a well-ventilated area and wear a dust mask to avoid inhaling silica gel dust.

### Handling & Repackaging

- **Work Fast:** Expose the bulk silica gel to ambient air for the absolute minimum time possible.
- **Divide Quickly:** Scoop the gel into smaller batches and pack them immediately to minimize exposure time.
- **Open the 25 kg bag only when ready to package.**
- **Keep the bag closed between fills.**
- **Avoid leaving silica gel exposed in open bins or hoppers.**
- **Aim to complete packaging within a few hours of opening the original bag.**
- **Seal final containers immediately.**

### Conditioning (If needed):

- **If your silica gel has already absorbed moisture (often indicated by the gel turning pink or green, depending on the type), you must bake it in an oven on a metal tray at 120°C - 140°C, for 2 to 3 hours to reactivate it before repackaging.**
- **Allow it to cool inside a desiccator or sealed, dry space before handling.**

**For further information, please contact us at:**

©2025 HengYe Inc.®

**HengYe Inc.®**

[hengyeinc.com](http://hengyeinc.com)

Toll Free: +1 (844) 308-3271

North America: +1 (832) 288-4288

Latin America: +54 (911) 6494-7470

[info@hengyeinc.com](mailto:info@hengyeinc.com)

**ISO 9001:2015** - Quality Management Systems

**ISO 14001:2015** - Environmental Management System

**ISO 50001:2015** - Energy Management

**Reach Certified** - European Union Chemical Safety