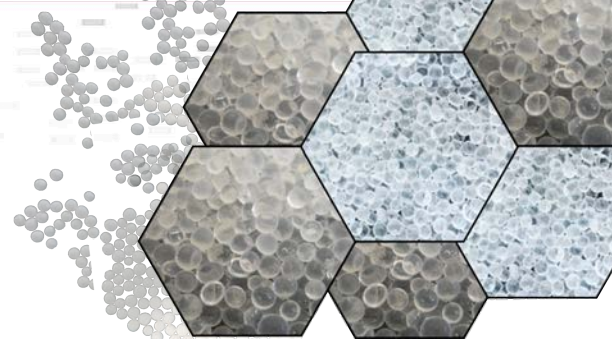


# WHITE, NON-INDICATING SILICA GEL



## DESCRIPTION

*Standard White Silica Gel* is manufactured for bulk dehydration applications and selectively removes water from the open air and surrounding environment. Maintaining a moisture free environment is important for the shipment and storage of dry goods and will help prevent the rusting of instruments, gauges, and equipment. This silica gel can be used in both static or dynamic applications and offers a high physical strength and adsorption capacity.

- used in bulk desiccant dehydration applications to control moisture and humidity
- can handle dynamic applications and offers a high physical strength
- protects metals, equipment, and electronics from rusting or water damage
- high capacity and ideal for bulk dehydration applications

## SPECIFICATIONS

| Silica Gel                                     |  |                                      |             |                 |
|--|--|--------------------------------------|-------------|-----------------|
| Standard White Silica Gel                      |  | Granular                             |             |                 |
| Property                                       | Unit   | Superior Class                       | First Class | Qualified Class |
| Average Pore Diameter                          | nm   | 2.0-3.0                              | 2.0-3.0     | 2.0-3.0         |
| Bulk Density                                   | g/L  | Design to meet customer requirements |             |                 |
| Adsorption Capacity<br>Relative Humidity = 20% | wt%  | ≥10.5                                | ≥10.0       | ≥8.0            |
| Relative Humidity = 50%                        | wt%  | ≥23.0                                | ≥22.0       | ≥20.0           |
| Relative Humidity = 90%                        | wt%  | ≥34.0                                | ≥32.0       | ≥30.0           |
| Pore Volume                                    | ml/g   | 0.35-0.45                            | 0.35-0.45   | 0.35-0.45       |
| Specific Heat                                  | KJ/kg °C   | 0.92                                 | 0.92        | 0.92            |
| Specific Resistance                            | Ω.cm   | ≥3000                                | -           | -               |
| Specific Surface Area                          | m <sup>2</sup> /g                                  | 650-800                              | 650-800     | 650-800         |
| pH   | -  | 4 - 8                                | -           | 4.1-5.0         |
| Loss on Heating                                | wt%  | ≤2.0                                 | ≤4.0        | ≤6.0            |
| Packaging Options                              | 500kg (1102.3lb) / Super Sack; 25kg (55.1lb) / Bag |                                      |             |                 |
| Size Options                                   | 0.5-1.0mm; 0.5-1.5mm; 2-4mm; 2-5mm; 4-8mm          |                                      |             |                 |

## INDUSTRIES USED

dehumidification  
power transformer breathers

dry goods storage or shipping  
small packaging

desiccant air dryers  
static drying

## STORAGE

As an adsorbent, silica gel should not be left exposed to open air and should be stored in dry conditions with air-proof packaging.

## CONNECT WITH US...

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