



# PRODUCT SPECIFICATIONS

## AGM PN: 920006

SILICA GEL, TYPE A, WHITE 1-3 MM BEADED

**Chemical Formula:**  $\text{SiO}_2 + n\text{H}_2\text{O}$

### Product Description:

Silica gel is the naturally occurring mineral silicon dioxide that has been purified and processed into a hard, smooth beaded form. It is also known as a narrow, or micro, pore silica gel and has a vast network of interconnecting pores with diameters of 20-30Å. These pores have a strong affinity for moisture and use physical adsorption and capillary condensation to trap and hold it. Silica gel will remove moisture at temperatures as high as 150°F, but it is best used at room temperature (70- 90°F) and high relative humidity (60-90% RH).

Property	Value	Unit
Bead Size	1-3	mm
Nominal Pore Opening	20-30	Angstroms
Color Change	White (Clear)	Indication (@20%RH±6%@20°C)
pH (Slurry)	≈ 7	pH
Water Adsorption Capacity		
20%	≥ 11	% Weight
40%	≥ 22	% Weight
80%	≥ 33	% Weight
Bulk Density	≥ 700	g/l
	≥ 44	lbs/ft <sup>3</sup>
Size Qualification	≥ 97	%
Package Moisture	≤ 1.5	% Weight

### Typical Applications

Desiccant in compressed air dryers; in desiccant packets for protection of packaged products, such as electronics, vitamins, pharmaceuticals, foodstuffs, etc.; catalyst carrier; and any desiccant application requiring premium performance, higher capacity, energy savings, and long-term economy.

### Handling and Storage Recommendations

Store silica gel in a dry location to prevent premature water adsorption. Reseal packages after opening to prevent contamination and unintended water adsorption. We recommend that you rotate stock so oldest material is used first.

### Packaging Information

Bags	25 kg
Drums	Fill weights to order specification
Super Sacks	Fill weights to order specification

Health and Safety Information is available on the product SDS.