



PRODUCT SPECIFICATIONS

AGM PN: 920019

SILICA GEL, TYPE A, WHITE 4-8 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	4-8	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 ³
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.