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## PRODUCT SPECIFICATIONS

### AGM Part Number 920020

Silica Gel, Type A, Blue Indicating 3-5 mm Beaded

**CHEMICAL FORMULA**       $\text{SiO}_2 + n\text{H}_2\text{O} + \text{CoCl}_2$

### 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).

SPECIFICATIONS		
Property	Value	Unit
Bead Size	3-5	mm
Nominal Pore Opening	20-30	Angstroms
Color Change	Blue to Pink	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

As a primary desiccant or blended with other desiccants in any application where visual control of moisture is required, such as compressed air dryers, gas drying, breathers, for protection of non-consumable packaged goods, drying and storage of flowers and seeds, etc. Due to the addition of the moisture indicator, Indicating Silica Gel should not be used in contact with products intended for consumption, such as food or pharmaceuticals.

### PACKAGING INFORMATION

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

### 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.

### HEALTH & SAFETY INFORMATION

Health and Safety Information is available on the product MSDS.