



Delta Adsorbents Div. of Delta Enterprises, Inc.
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Blue Indicating Silica Gel Granular

Revised 2015

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

PRODUCT DESCRIPTION

DeLSORB® AB1530G silica gel is the naturally occurring mineral silicon dioxide that has been purified and processed into a hard, smooth beaded form. The beads are then saturated with a moisture indicating solution that gives them a deep blue color when dry. It is also known as a narrow 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 220°F, but is best used at room temperature (70-90°F) and high relative humidity (60-90%Rh). The color changes from blue to purple to pink as it adsorbs moisture.

SPECIFICATIONS

Property	Value	Unit
Granular Size	1.5 - 3.0	mm
Nominal Pore Opening	20 - 30	Angstroms
Color Change	Blue to Pink	Indication
pH(Slurry)	≈ 7	pH
Water Adsorption Capacity		
20%	≥ 11	% Weight
40%	≥ 22	% Weight
80%	≥ 33	% Weight
Bulk Density	≥ 780	g/l
	≥ 48	lbs/ft ³
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, DeLSORB® AB25B Indicating Silica Gel should not be used in contact with products intended for consumption such as food or pharmaceuticals.

HANDLING & STORAGE RECOMMENDATIONS

Store DeLSORB® 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 product MSDS, which can be downloaded from our web site www.deltaadsorbents.com or by contacting Delta Adsorbents at 630-980-5250.
