



PRODUCT SPECIFICATIONS

sSORB® AY25B

Silica Gel, Type A, Yellow Indicating, 2-5 mm, Beaded

CHEMICAL FORMULA $\text{SiO}_2 \cdot n\text{H}_2\text{O} + \text{C}_{20}\text{H}_{14}\text{O}_4$

PRODUCT DESCRIPTION

sSORB® AY25B 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 yellow (orange) 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 yellow (orange) to green as it adsorbs moisture. The color typically begins to change as the moisture content passes 6% by weight and is complete at 14% by weight. A bright green color indicates moisture saturation and that it is time to replace or regenerate the desiccant. sSORB® AY25B meets the needs of environmentally concerned companies and conforms to European Union requirements for moisture indicating desiccants.

SPECIFICATIONS		
Property	Value	Unit
Bead Size	2 - 5	mm
Nominal Pore Opening	20 - 30	Angstroms
Color Change	Yellow to Green	Indication
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

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, sSORB® AY25B Indicating Silica Gel should not be used in contact with products intended for consumption such as food or pharmaceuticals.

PACKAGING INFORMATION

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

HANDLING & STORAGE RECOMMENDATIONS

Store sSORB® 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.interraglobal.com or by contacting Interra Global Corporation at 847.292.8600.