



PRODUCT DATA

sSORB®

SILICA GEL BEADS, TYPE A, BLUE INDICATING

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

PRODUCT DESCRIPTION

sSORB silica gel is ideal as a primary desiccant or blended with other desiccants in any application where visual control of moisture is required. sSORB silica gel beads are saturated with a moisture indicating solution that gives them a deep blue color when dry. Also known as a narrow pore silica gel, sSORB has a vast network of interconnecting pores with diameters of 20-30 Å. 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.

TYPICAL PROPERTIES			
PRODUCT CODE	AB13B	AB25B	AB35B
Shape	Bead	Bead	Bead
Particle Size (mm)	1 - 3	2 - 5	3 - 5
Nominal Pore Opening (Å)	20 – 30	20 – 30	20 – 30
Color	Blue to Pink	Blue to Pink	Blue to Pink
pH (Slurry)	≈ 4 - 7	≈ 7	≈ 4 - 7
Water Adsorption Capacity @20% RH, 25°C* (wt%)	≥ 8	≥ 8	≥ 8
Water Adsorption Capacity @35% RH, 25°C* (wt%)	≥ 13	≥ 13	≥ 13
Water Adsorption Capacity @50% RH, 25°C* (wt%)	≥ 20	≥ 20	≥ 20
Bulk Density (g/l)	≥ 750	≥ 750	≥ 750
Bulk Density (lb/ft ³)	≥ 46	≥ 46	≥ 46
Size Qualification (%)	≥ 97	≥ 97	≥ 97
Package Moisture (wt%)	≤ 4	≤ 4	≤ 4

TYPICAL APPLICATIONS

sSORB blue silica gel is frequently used with compressed air dryers, gas drying, breathers, and in packaged goods. Due to the addition of the moisture indicator, sSORB Indicating Silica Gel should not be used in contact with products intended for consumption such as food or pharmaceuticals.

PACKAGING INFORMATION

Available in 55 lb (25 kg) bags and drums and super-sacks filled to order.

HANDLING & STORAGE RECOMMENDATIONS

Store in a dry location to prevent unintentional 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 our product SDS, which can be downloaded from our web site interraglobal.com or by contacting Interra Global at 847.292.8600.

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