

## sSORB® Granular White Silica Gel, Type A

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

### PRODUCT DESCRIPTION

sSORB type-A is the granular form of the adsorbent silica gel. Silica gel is synthetically modified to give it a vast internal network of interconnecting cavities creating a very large internal surface area for adsorption as a desiccant. Silica gel's signature characteristic is its ability to adsorb moisture in humid environments and performs best at 60 – 90% relative humidity at ambient temperature.

TYPICAL PROPERTIES					
PRODUCT CODE		AW0210G	AW0515G	AW1530G	AW36G
Particle Diameter (mm)		.2 - 1.0	.5 - 1.5	1.5 - 3	3 - 6
Particle Type		Granular	Granular	Granular	Granular
Type		A	A	A	A
Nominal Pore Opening (Å)		20 - 30	20 - 30	20 - 30	20 - 30
Color		White/Clear	White/Clear	White/Clear	White/Clear
Water Adsorption Capacity (wt%)	20% RH	≥ 10.5	≥ 10.5	≥ 10.5	≥ 11
	40% RH	≥ 22	≥ 22	≥ 22	≥ 22
	80% RH	≥ 33	≥ 33	≥ 33	≥ 32
Bulk Density (g/l) [(lb/ft <sup>3</sup> )]		≥ 700 [≥ 44]	≥ 700 [≥ 44]	≥ 700 [≥ 44]	≥ 700 [≥ 44]
Size Qualification (%)		≥ 90	≥ 90	≥ 90	≥ 90
Package Moisture (wt%)		≤ 2	≤ 2	≤ 2	≤ 2

### TYPICAL APPLICATIONS

Given its high affinity for water, sSORB granular white silica gel is used in the gas industry to dry natural gas, as a desiccant in packaging, for protecting cargo, electronics, vitamins, pharmaceuticals, foodstuffs, and in compressed air dryers.

### PACKAGING INFORMATION

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

### HANDLING & STORAGE RECOMMENDATIONS

Reseal packages and store in a dry location to prevent unintentional 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](http://interraglobal.com) or by contacting Interra Global at 847.292.8600.