Chemical Formula: $SiO_2 + nH_2O + CoCL_2$

Product Description:

Silica gel is the naturally occurring mineral silicon dioxide that has been purified and processed into a hard, smooth beaded form. 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, 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). The color changes from blue to purple as it adsorbs moisture.

Property	Value		Unit
Bead Size		1-3	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^3
Size Qualification	≥	97	%
Package Moisture	≤	4.0	% 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.

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.

Packaging Information

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

Health and Safety Information is available on the product SDS.