

## GRANULAR & BEADED SILICA GEL INDICATING TYPE - BLUE

### Description

Indicating Silica Gel is a blue silica gel that gradually changes from a deep blue in the activated condition to a pale pink in the saturated condition. Each color corresponds to a definite relative humidity. It can be reactivated by heating at 250-450 °F, in a clean atmosphere until it becomes blue again. It meets the requirements of Military Specification Mil-D-3716, Type IV, Grade H (High Adsorption Capacity).

### Application

Indicating Silica Gel is widely used as a relative humidity indicator in dehydrated packages or air drying equipments. It is used as a combination desiccant-relative humidity indicator.

### Typical Properties - Granular and Beaded

Particle Shape .....	Granular or Beaded
Particle Sizes	
Granular .....	3-8 Mesh / 6-12 Mesh / 6-16 Mesh
Beaded .....	4-8 Mesh
Nominal Pore Size .....	22 Angstroms
Pore Volume, cm <sup>3</sup> /gm .....	0.43 Avg
Surface Area, m <sup>2</sup> /gm .....	750 - 800
Bulk Density, lbs/ft <sup>3</sup> .....	45 Avg.
Moisture Adsorption at 25 °C	
10% RH .....	6.85 Avg
20% RH .....	11.84 Avg
40% RH .....	24.61 Avg
60% RH .....	36.20 Avg
80% RH .....	39.91 Avg
Color .....	Blue (Activated) / Pink (Saturated)
Moh's Hardness .....	5
Recommended Temp of Regeneration (°F) .....	250 - 450

### Packaging

Packaged in 1-1/2 lb can, 5 lb can, 30 lb pail and 150 lb drum net of product.

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**Silica Gel Desiccant Products Co.**

6326 West Blvd., Los Angeles, CA 90043-3803

(800) 426-1529 • (310) 258-9121 • e-mail: [sales@SilicaGelCo.com](mailto:sales@SilicaGelCo.com)