

**GRANULAR & BEADED SILICA GEL
NON-INDICATING TYPE**

Description

Silica Gel is a hard granular or beaded desiccant with the appearance similar to glass. It is slightly softer than ordinary window glass, odorless, insoluble and non-conductor of electricity.

Its action in adsorbing is purely physical and there is no change in size or shape of the particles as it adsorbs vapors. Silica Gel has a large internal surface area which gives it a large adsorptive capacity.

It meets the requirements of Military Specification Mil-D-3716, Type I and II, Grade H.

Application

Silica Gel is used in various industries such as: Natural Gas, Refining Companies, Chemical and Petrochemical, Industrial Gases, Refrigeration, Insulating Glass, Commercial and Military Packaging, Telecommunications and Power Companies.

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 ³ /gm	0.43 Avg
Surface Area, m ² /gm	750 - 800
Bulk Density, lbs/ft ³	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	White / Clear
Moh's Hardness	5
Recommended Temp of Regeneration (°F)	250 - 450

Packaging

Packaged in 5 lb can, 30 lb pail and 150 lb drum net of product.