

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 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	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.