

# Blue Indicating Silica Gel



www.moleculartek.com  
moleculartek@gmail.com

## Description

Indicating silica gel starts as blue and turns pink when the product has reached adsorption capacity, which allows users to know when the product will no longer continue adsorbing water and needs to be replaced or regenerated. Blue silica gel can be used in various applications, from atmospheric desiccation to protect goods from corrosion and rust but has a high enough quality to be used in power transformer breathers.

## Specifications

Silica Gel					
Blue Indicating Silica Gel			Bead		
Property	Unit	Blue 1-3mm	Blue 2-5mm	Blue 3-5mm	
Diameter	mm	1 - 3	2 - 5	3 - 5	
Indicates as	-	Pink	Pink	Pink	
Adsorption Capacity	wt%	≥8	≥8	≥8	
Relative Humidity = 20%					
Relative Humidity = 35%	wt%	≥13	≥13	≥13	
Relative Humidity = 50%	wt%	≥20	≥20	≥20	
Bulk Density	lb/ft <sup>3</sup>	≥46	≥46	≥45	
Loss on Ignition	wt%	≤2.0	≤2.0	≤5.0	
pH	-	4.0-8.0	4.0-8.0	-	
Qualified Ratio of Particle Size	%< (mm)	≤3.0	≤3.0	-	
Qualified Ratio of Particle Size	%> (mm)	≤3.0	≤3.0	-	
Qualified Size Ratio	%	≥90.0	≥90.0	≥94	
Specific Resistance	Ω.cm	≥1500	≥1500	-	

## Industries Used

Small Packaging  
Power Transformer Breathers

Dehumidification  
Electronics

Natural Gas Conditioning

## Storage

Silica gel is an adsorbent should not be left exposed to open air to prevent water from being adsorbed before its intended use. This product should be stored in dry conditions with air-proof packaging.