

Product Data Sheet Silica Gel Orange

Revision 06 from 01/2020

Silica Gel Orange With indicator

Product name

Silica Gel Orange

Product Description

Hard, vitreous pearls of silicone dioxide with an environmentally friendly indicator. Due to its large inner surface area it can adsorb large amounts of water vapour. Starting at a saturation level of about 6%, the silica gel color change from Orange to green/blue. However, it continues to adsorb water from this point until reaching its maximum capacity.

Properties

Silicon dioxide: > 97%	Bulk density: > 720 g/l
PH-Value: > 4	Pore Volume: 0.35 – 0.45 ml/g
Loss on drying 150°C: < 2%	Specific surface area: 650 – 800 m ² /g
Grain size: 3 – 5 mm	≥ 5 mm: < 1%
	≤ 3 mm: < 1%
Adsorption capacity for water vapour at 25 °C	r.H. = 20%: > 8%
	r.H. = 50%: > 25%
	r.H. = 90%: > 35%

Application

Silica Gel Orange protects your goods during transport and storage against corrosion, mildew and other damages caused by humidity. Its chemical characteristics make it ideal for drying air or other gases.

Packaging

1 kg bag, 25 kg bag

Handling

When handling the material, the pertinent national health and safety regulations apply. To protect the activity of silica gel Orange it is sealed in an air-tight bag. An added indicator card shows the relative humidity in the package. Due to the highly hygroscopic effect please open the bag directly before use. In case of a partial removal, please close the protective packaging immediately and tightly.

Note

All advice, information and data in this data sheet should be a help to our customers. They represent a part of our years of research and development work. They are not, however, the assumption of warranties. Furthermore, no obligations on our part can be derived from them. The descriptions of individual products comply with current rules and regulations. Changes of any kind can be performed without further notice. Please refer to our general terms and conditions for all our products.