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**DMF
FREE**

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Orange Silica gel desiccant:



Non-Cobalt color-changing silica gel is an environmentally friendly desiccant and belongs to silica gel products. The appearance is organic translucent glassy particles. It has strong moisture absorption ability and its appearance color will change obviously with the increase of moisture absorption during the moisture absorption process, after moisture absorption, the original orange color gradually changes to dark green with the increase of moisture absorption.



Orange Silica gel desiccant/allochroic silica gel Technical Specifications

CAS No	112926-00-8	
Shape	Orange translucent particles	
Moisture	≤5%	
Particel	2-4mm	
Material	SiO2 (CAS NO:7631-86-9)	99%
	Water(CAS NO:7732-18-5)	1%
Color Indication	RH=20%	Orange/Light Orange
	RH=35%	Dark Yellow
	RH=90%	Dark Green
Bulk Density (g/ml)	≥0.75	
Qualified Size Ratio (%)	≥90	
Absorptive Capacity	RH=20%	≥8.0
	RH=50%	≥22.0
	RH=80%	≥36.0
Package standard	900g, 1kg,5Kg, 16kg,20Kg,45kg barrel,25kg bag	
Application	Moisture absorption and dehumidification	
Warranty	3 years	

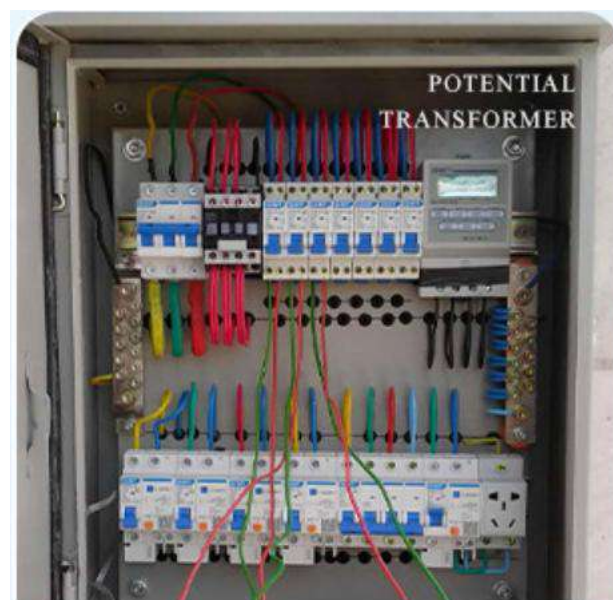
Features:

- **Excellent moisture absorption performance, effectively protect items from moisture.**
- **Material is indicator silica gel, which has obvious discoloration and is easy to observe.**
- **Reusable, safety and environmentally, friendly.**
- **Can be used with ventilated bags (the ventilated bags need to be purchased separately)**

Reusable methods

This product is Orange before it absorbs moisture, and becomes dark green after it is saturated with moisture. After it is completely discolored, it needs to be replaced with new product or reused. It can be reused by the following methods.

1. In a sunny and dry weather, place it in the sun for about 3 hours to evaporate the moisture absorbed by the desiccant package and restore its performance (this method may cause incomplete color recovery and weak water absorption).
2. Place it in a warmable dish and heat it in a microwave oven. The temperature is controlled between 80-100 degrees Celsius, or you can choose a low-to-medium-range fire setting for heating. The heating time is also different due to different brands of microwave ovens and different heating powers. It is recommended to observe once every 5 minutes of heating until the Orange color is restored, (after heating, the temperature is high, pay attention to hurt hands)



Application



Piano



Camera



Electronic
product



Musical
instrument



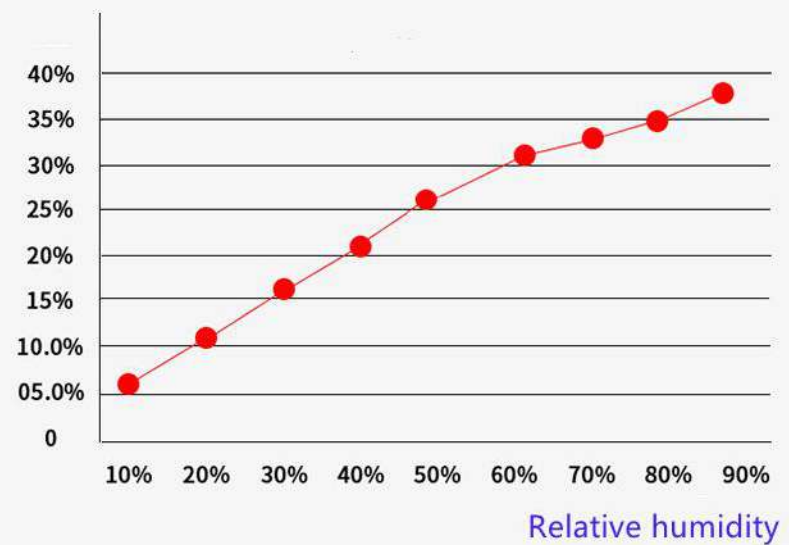
Industrial
equipment



Transformer

Orange silica gel moisture absorption curve

Moisture absorption rate



Other name:

Dry Silica Gel; Polyethylenimine-silica; silicon dioxide colloidal; Drying agent free of metal salts, Silica gel; Degussa Aerosil .(R). Silica; mesoporous silicate; Silica gel spherical; colloidal anhydrous silica; Sud Chemie KA160 silica spheres; Silica gel for column chromatography; Silica gel; PEI-Silica gel; Drying pearls Orange (heavy metal free); Silica gel PS drying agent;

Application:

1. Mainly used for moisture absorption and rust proofing when instruments and equipment are placed in obturation conditions, at the same time, according to their own color turning dark green from orange after the moisture absorption it can indicates ambient humidity directly.
2. It being used with ordinary silica gel desiccant, we can get the desiccant moisture level and judge the relative ambient humidity.
3. Desiccant silica gel used for packaging, it is widely used in precise instruments, leather, shoes, clothing, food, medicine and household appliances, etc.