

PORESPHERE® Indikator-OG

Silica gel type A narrow-pored with colour indicator orange/green

Section 1: Information about the supplier/distributor

GIEBEL Desiccants GmbH
Carl-Zeiss-Str. 5
74626 Bretzfeld-Schwabbach
Germany
Telephone: +49 7946 944401-11
Email: desiccants@gf-dry.com

Section 2: Name of substance

Chemical Product Name:	Silicon dioxide	
Composition:	≥99% Silicon Dioxide	SiO ₂
	<1% copper(II) chloride	CuCl ₂
	≤1% water	H ₂ O
Colour change:	Orange → Green	
CAS No.:	7631-86-9	
EC No.:	231-545-4	
REACH Registration		
number:	01-2119379499-16-0401	

Section 3: Typical Application

- a) Moisture absorption
- b) Rust protection of instruments, measuring instruments and devices when closed
- c) Visual indication of the relative humidity of the given environments
- d) Adsorbers for Transformers

Section 4: Specifications

Pore Size:	~2.0 - 3.0 nm
Appearance and shape:	Orange, solid balls
Particle size:	3.0-5.0 mm
Bulk density:	0.78 g/ml
Pore volume:	0.35-0.45 ml/g
Crushing strength:	≥200 N
Specific surface:	600-800 m ² /g
Abrasion rate:	≤2%
Water adsorption capacity:	
at 25°C and 100%RH	>370 ml/kg
Adsorption RH=20%, ≥	8,23 %
at 25°C RH=35%, ≥	14,15 %
RH=50%, ≥	21,26 %
Regeneration temperature:	120 °C
Maximum storage time:	Two years

Section 5: Regeneration:

PORESPHERE™ A-Indikator OG can be regenerated by heating. To remove moisture, a temperature of 120°C is required. A correctly regenerated silica gel can reliably adsorb moisture. The dehumidification performance is highly dependent on temperature, humidity and gas composition in the process.