SECAL
CARGO PROTECTION

TECHNICAL DATA SHEET
Type A silica gel · Rev. 2026

DESICCANT FOR PACKAGING

SILICA GEL 1 G

Type A silica gel: transparent spheroidal silicon dioxide beads with a large internal surface and a high moisture absorption rate. Protects products and packaging against moisture, mould and corrosion; it is inert, economical and easy to dispose of.



ABSORPTION	ABSORPTION	SILICON DIOXIDE	NET WEIGHT
≥30 %	≥20 %	80 %	1 g
25 °C · 90 % RH	25 °C · 50 % RH	SiO_2 · CAS 14808-60-7	Per sachet · Type A

COMPOSITION

COMPONENT	FORMULA	CAS NO.	PROPORTION
Silicon dioxide	SiO_2	14808-60-7	80 %
Water	H_2O	7732-18-5	≤ 20 %

TECHNICAL REQUIREMENTS

Moisture (150 °C)	**≤ 5.0 %**
Absorption at 20 % RH	**≥ 8.0 %**
Absorption at 50 % RH	**≥ 20.0 %**
Absorption at 90 % RH	**≥ 30 %**
pH	**4 – 8**
Specific resistance	**≥ 3000 Ω·cm**
Granularity (pass rate)	**≥ 90 %**
Bulk density	**≥ 750 g/L**

APPLICATIONS PACKAGING


Pharmaceuticals


Packaged goods


Storage


Boxes and packaging

HOW MANY SACHETS DO YOU NEED?

Work out the sachets per package and their cost in the silica gel calculator.

Open the calculator →

Absorption capacity measured at 25 ± 2 °C. Keep the sachets in airtight containers until use. Calculate the sachets per package at secalcargo.com/en/calculators. Specifications subject to improvement without notice.

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