

Desiccant for moisture-proof packaging

SA(S) · SA · ST

SA(S) · SA · ST series is a popular desiccant made of A-type silica gel. It has high adsorption capacity to provide reliable moisture protection for foods, pharmaceuticals, chemicals.

■ Application

Confectionary, Foods, Pharmaceuticals, Health supplement, Chemicals, Electronic parts, Precision machinery

■ Characteristics

1. No corrosion/No deliquescence

It is made of A-type silica gel. It is chemically stable, no corrosion, no deliquescence, no toxicity.

2. Wide range of application

As it has high moisture adsorption capacity under low humidity condition, it is good for versatile applications.

3. Wide variety of lineup

It has a wide variety of lineup 1.0g-100g.

4. High price performance

5. Automation

It can be supplied by automatic pouch distributor.

6. Compact size

There is a compact size (30 mm wide) for small package.

7. Indicating silica gel

It contains indicating silica gel (blue colored) showing adsorption condition.

8. JIS standard

It conforms to JIS standard (*1).



■ Safety

The major components, A-type silica gel is so safe as to be designated as food additives. It is chemically stable, tasteless, odorless, no water solubility, no corrosion, and no deliquescence. As it is processed under the strict quality control, performance is stable.

It is packaged by PET film that conforms to the packaging requirements of Food Sanitation Law in Japan (*2).

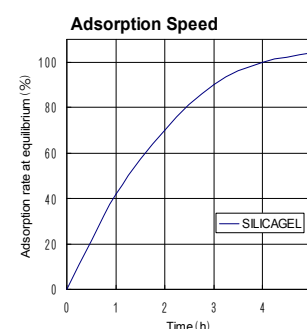
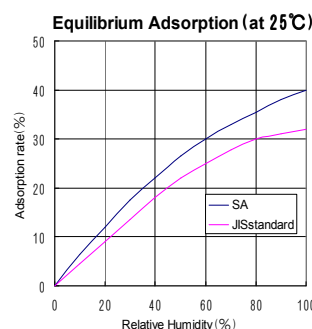
■ Composition (%)

SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	Na ₂ O
99.82	0.01	0.01Max	0.02	0.03

■ Adsorption Capacity

SA(S) · SA · ST series conforms to JIS standard (*1) for packing use. The major components, A-type silica gel has high moisture adsorbing capacity under low humidity condition.

ITEM		SA(S) · SA · ST	JIS standard
Adsorption Capacity (%)	RH20%	10.0 Min	8.0 Min
	RH50%	25.0 Min	20.0 Min
	RH90%	35.0 Min	30.0 Min
Moisture content (%)		2.5 Max	2.5 Max
pH		4~8	4~8
Specific resistance (Ω · cm)		5,000 Min	3,000 Min



Weight	Quantity	Dimension (mm)
1.0g	10,000	30×40

SA



Weight	Quantity	Dimension (mm)
2g	4,600	40×55
3g	3,500	50×55
5g	2,500	60×55
10g	1,200	80×55
20g	600	60×110
30g	400	75×110
50g	250	100×110

ST



Weight	Quantity	Dimension (mm)
1.0g	10,000	20×40
2.0g	5,000	23×55
3.0g	3,500	23×65

- Specification can be changed without notification.
- Special dimension is available on customer's request.

(*1) JIS Z0701 Silica gel Desiccants for Packaging
 (*2) Specifications, Standards and Testing Methods for Containers and Packaging, 3-D-2, Specifications and Standards for Foods, Food additive (No370-notification of health and Welfare Minister in 1959).

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