



Desiccant Packets

Purpose

To protect products in a wide range of industries, including pharmaceuticals, nutraceuticals, diagnostics, food and electronics, from moisture damage.

What are they?

Desiccant packets are small sachets of desiccant product, such as desiccant clay, silica gel or molecular sieve, aimed at protecting goods sensitive to moisture. Desiccant packets are available in singles, or in reels designed for automatic insertion.

Why use them?

Products vulnerable to moisture damage need special protection during storage and transport to ensure that they remain effective. Desiccant packets provide a simple, dependable and economical solution for preventing moisture damage in small, sealed packages.

Available configurations

Süd-Chemie Performance Packaging, a business unit of Süd-Chemie Group, provides a wide range of packets in reeled and single form. Standard and customized sizes are available.

Continu-Strip® Hole Punch Packets are continuous strips of Süd-Chemie's classic, effective packets wound on a reel for automatic insertion. A hole punch in the seal of each packet prevents line delays by ensuring that insertion machines make clean cuts every time. Continu-Strip packets can be used with any packet insertion equipment on the market.

Continu-Strip packets also feature patent-pending "invisible" splice technology that creates a seal between packet reels without extraneous tape. The absence of tape allows dispensing equipment sensors to better detect the hole in each seal, further facilitating precise cuts.

Packets are packaged in either DuPont Tyvek® or GDT-II materials. Both are strong, durable and allow for extremely high adsorption rates. Both also comply with FDA requirements for direct contact with food and drugs.

Süd-Chemie's desiccant packets are available in a variety of standard sizes, ranging from ¼ to 10 grams.

Packets are available in the following desiccant fills:

Desi Pak®: Bentonite clay (moisture adsorption)

Getter Pak®: Activated carbon (odor control)

Sorb-It®: Silica gel (moisture adsorption)

2-in-1 Pak®: Silica gel or bentonite clay, with activated carbon (moisture *and* odor control)

Tri-Sorb®: Molecular sieve

(Turn over for technical usage and performance data)



Süd-Chemie's desiccant packets are ideal for preventing moisture damage in small, sealed packages, such as pharmaceutical bottles, shown above.



Süd-Chemie's packets are available in both individual and strip varieties, in numerous sizes and fills.

Typical applications:

- ✓ Pharmaceutical
- ✓ Nutraceutical
- ✓ Diagnostic
- ✓ Military
- ✓ Electronics
- ✓ Food

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Creating Performance Technology



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Desiccant Packets

Usage Requirements

Select container size and read across to find required amount.

Container Size (Cubic cm)	Required amount weight (grams)				
	Desi Pak®	Sorb-It®	Getter Pak®	2-in-1 Pak®	Tri-Sorb®
30	¼	¼	¼	¼	¼
40	¼	¼	¼	¼	¼
50	½	½	¼	¼	½
60	½	½	½	½	½
75	¾	¾	½	½	¾
100	1	1	1	1	1
150	1	1	1	1	1
200	2	2	2	2	3
300	2	2	2	2	3
400	3	3	2	3	3
500	3	3	2	3	3
750	5	5	2	5	5
950	5	5	5	5	5

+Request the Desiccant Performance Data Profile for complete adsorption capabilities.

NOTE: The amount of desiccant/adsorbent required will depend on the chemical characteristics of the product, as well as the volume contents and physical properties of the container. Süd-Chemie recommends that a stability study is performed to determine the exact amount required. Samples are available upon request.

Desi Pak®: Activated clay desiccant. Free flowing granular material with high moisture adsorbing ability from 20 to 80 percent relative humidity under normal packaging and storage conditions.

Sorb-It®: Silica gel made from amorphous silicate. A hard, translucent material with an extremely high capacity for moisture at temperatures below 75° F and humidity levels above 40 percent.

Getter Pak®: Activated carbon used in controlling objectionable odors and gases through the process of adsorption.

2-in-1 Pak®: Silica gel or activated clay, combined with activated carbon to simultaneously control moisture, gas and odor.

Tri-Sorb®: Molecular sieve. A very aggressive desiccant that can be used to quickly absorb moisture and odor.