

Product Sheet

DESICCANT CAPSULES

RIGID DROP-IN DESICCANTS



Purpose

To extend the shelf life and efficacy of pharmaceutical, nutraceutical, diagnostic and medical products by absorbing moisture inside product packaging.

What are they?

Desiccant capsules are small, rigid containers filled with desiccant material that can be inserted or placed inside packaging or medical devices to protect them from moisture degradation.

Why use them?

Desiccant capsules are available in a wide range of shapes and sizes to fit specific applications. Cylindrical capsules are dropped directly into pharmaceutical bottles. Flat capsules can be inserted into blister packaging, while other options can be assembled directly into packaging closures.

Desiccant capsules are crimped with a permeable carton material at the top after filling. Their distinctive shape, as well as their ability to be manufactured in various colors, clearly differentiates them from pharmaceutical tablets and pills, avoiding confusion with customers' products.

All materials used in the manufacture of Clariant's capsules meet US FDA standards for direct contact with food and drugs.

Available Configurations

Desiccant capsules are available in printed form and unprinted form. Standard sizes range from 0.3g to 4g in fill weight, and from 10.7 mm to 30.7 mm in diameter. Customized sizes and fills can be designed with Clariant's development team.

Standard sorbent fills include silica gel (moisture adsorption) and molecular sieve (moisture and odors). Clariant also offers PharmaKeep® oxygen absorbing capsules.

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Key Advantages

- Desiccant capsules are ideal for high-speed automatic insertion, as well as the flexibility to utilize them in a variety of packaging configurations.
- All materials used in Clariant's capsules meet US FDA standards for direct contact with food and drugs.
- Typical applications include pharmaceutical, nutraceutical, diagnostic and medical products.



Clariant's desiccant capsules are available in a variety of shapes and sizes. Because of their versatility, capsules can be used in a wide range of applications, from pharmaceutical bottles to blister packaging.

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