

Spongel®

Superabsorbent compostable powder

- 85% ORGANIC MATERIAL
- PATENTED
- CERTIFIED

OK compost

TÜV AUSTRIA

INDUSTRIAL S1281

Spongel is a cellulose-based superabsorbent powder patented by Magic, with a formulation containing 85% organic material. Certified OK compost INDUSTRIAL by TÜV Austria for industrial composting, it is available in different formulations developed according to the required absorbent performance and is used in food packaging, absorbent hygiene products and medical applications.



Technical features

Most non-acrylate-based SAPs (Super Absorbent Powders) generally provide good absorption performance under free swell conditions, while high absorption under load remains a characteristic of other types of SAPs

Spongel shows free swell capacity (FSC) values in saline solution up to 70 g/g and absorption under load (AUL) values up to 20 g/g

In terms of retention capacity (CRC), Spongel shows CRC values around 35 g/g, which is very close to the best acrylic-based SAPs values

A single formula for different absorption requirements

Spongel is available in different versions, each developed for a specific application. Different ingredient ratios make it possible to adjust performance in terms of free swell absorption, absorption under load and retention capacity.

Main applications

Absorbent hygiene products

Diapers, feminine hygiene products and incontinence products: Spongel can be used to increase the absorbent capacity of structures made from pure cellulose or other absorbent materials, improving free swell absorption, absorption under load and fluid retention.

Absorbent pads for food packaging

As an alternative to traditional acrylic superabsorbents or to enhance the absorbent capacity of pure cellulose structures, depending on the requirements of the specific application.

MAGIC absorbing your needs

MAGIC S.p.A. - Via Sempione, 104 A/B
28047 Oleggio (NO) - Italy
Tel: +39 0321 94100 - info@magic-spa.com
www.magic-spa.com

Spongel

Rev. 10/2026