



**Super-absorbent
biodegradable powder**



**SUSTAINABLE
INNOVATIVE
SAFE**



Spongel is biodegradable and compostable super-absorbent powder patented by Magic, whose absorption and retention values are hugely higher than the most bio-based SAPs currently available on the market. Thanks to its organic components, its application is safe, in the food, medical and hygiene industries.



Technical features



The most natural-based SAPs (Super Absorbent Powder) mainly show a good absorption capacity with zero pressure, whereas high absorption under load is still a main characteristic of acrylic-based 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 surprisingly shows CRC values around 35 g/g, which is very close to the best acrylic-based SAPs values.

A single formula for different absorbing needs

Spongel is available in different versions, each one for a specific application. Different ingredient dosages create suitable performance for free and under pressure absorption, always ensuring an excellent retention capacity.

Main applications

Absorbent hygiene products



Baby diapers, sanitary pads, incontinence products, medical applications, whenever there is a need to improve the absorbent capacity of pure cellulose structures or other biodegradable materials, in terms of free and under-load absorption, and retention capacity.



Absorbing pads for food packaging

As a natural alternative to traditional acrylic-based SAP's or as an absorption capacity booster of pure cellulose materials in closed pads, which are then optimized.



MAGIC
absorbing your needs

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