

# The future of corrosion prevention is *absorption*

## With Absortech's absorption solutions you can rethink packaging

Absortech's absorption technology redefines how corrosion protection is achieved. Instead of relying on traditional VCI chemicals or oiling, the AbsorGel® desiccant system removes moisture: the root cause of corrosion.

The result is reliable protection for metal parts and sensitive components during storage and transport, with significantly less environmental impact.

### Efficient. Sustainable. Proven.

A major Swedish sub-supplier to the automotive sector shifted to Absortech solutions, shipping 10 000 pallets (1 200 × 800 × 390 mm) with two collars. The company replaced the traditional 100 µm VCI bag with a 50 µm LDPE bag<sup>1</sup> containing 33% post-industrial recycled plastic, combined with AbsorGel Pouch-X 125 g desiccants.

This configuration was dimensioned for medium transit times (30–60 days) and demonstrated that effective corrosion protection can be achieved without VCI or oiling.

<sup>1</sup> See film properties on the following page.

### Impactful test results



PLASTIC REDUCTION: 3 140 kg

-50%



CO<sub>2</sub> FOOTPRINT REDUCTION: 2506 kg

-50%



COST REDUCTION<sup>2</sup>: 2 610 €

-50%

Absortech's absorption solutions delivers performance, sustainability, and reliability without compromise.

<sup>2</sup> Cost reduction may vary with VCI prices per customer.

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Switching to AbsorGel® wasn't just a protection upgrade. It paid for itself in savings and helped us meet our sustainability goals.



## AbsorGel® desiccants, high standards

AbsorGel desiccants, based on a unique blend of high-quality calcium chloride ( $\text{CaCl}_2$ ) and starch, efficiently capture and retain humidity inside the packaging, keeping metal parts and sensitive components dry throughout transport and storage.

All AbsorGel products are developed and produced in-house by Absortech to meet the highest quality and sustainability standards, ensuring a low environmental impact throughout the production process.

**The carbon footprint of AbsorGel Pouch-X 125 g is 0.091 kg CO<sub>2</sub> per pouch, verified by an accredited third-party institute. The complete verification report is available upon request.**



Our solutions are compliant with the industry high standards and compliant with regulations. With high-quality AbsorGel desiccants and a reinforced, well-documented LDPE moisture barrier, you can confidently reach your sustainability targets and comply with packaging regulations such as the PPWR.

**Designed for performance and responsibility, Absortech's absorption solutions ensures long-lasting protection against moisture and corrosion, with no compromise on quality or corrosion protection.**

### Physical properties of proven LDPE-film (thickness 50 µm)

FILM PHYSICAL PROPERTIES	TEST METHOD	RESULTS
<b>MACHINE DIRECTION (MD)</b>		
YIELD FORCE	ASTM D882-10	18.7 N
ULTIMATE STRESS	ASTM D882-10	23.9 MPa
BREAK FORCE	ASTM D882-10	18.7 N
BREAK STRAIN	ASTM D882-10	587 %
TEAR STRENGTH	ASTM D624/D1938	3.4 N
<b>TRANSVERSE DIRECTION (TD)</b>		
YIELD FORCE	ASTM D882-10	16.5 N
ULTIMATE STRESS	ASTM D882-10	20.9 MPa
BREAK FORCE	ASTM D882-10	16.4 N
BREAK STRAIN	ASTM D882-10	615 %
TEAR STRENGTH	ASTM D624/D1938	3.3 N
<b>PUNCTURE PROPERTIES</b>		
DART DROP	ASTM D1709	380 grams
PUNCTURE RESISTANCE	ASTM D5748	39.2 Force N

## MORE AT [ABSORTECH.COM](https://absortech.com)

Absortech helps you prevent moisture damage during transport. Our promise is to protect your brand, increase your savings and lower the environmental footprint of your logistics processes. We are a pioneer in moisture damage prevention with headquarters in Sweden.

Since 1996, we have been offering a wide range of inhouse developed and produced desiccants made from calcium chloride. Peace of Moisture Mind® is our moisture damage prevention concept, which includes steps like audits, tests and global supply chain solutions. We are committed to base our operations on sustainable principles and help businesses like yours implement sustainable solutions to prevent moisture damage.

## CONTACT



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