

Press Release
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Eliminating Odors from Products with Activated Carbon

New to the portfolio: TROcarbon® sachets for odor adsorption

To prevent intense odors from escaping packaged products, desiccant specialist TROPACK now offers the new TROcarbon® sachets for odor adsorption combined with moisture protection.

In the food and pharmaceutical industries, products must be securely packaged and hermetically sealed — not only to prevent moisture or foreign substances from entering, but also to ensure that odors do not escape. For effective odor removal, TROPACK Packmittel GmbH now supplies sachets filled with activated carbon made from coconut shells as primary packaging: TROcarbon®.

Dietary Supplements: Avoiding Intense Odors

Activated carbon from coconut shells is highly adsorbent due to its porous structure and therefore works reliably against unpleasant odors. For example, the new activated carbon sachets can be used when packaging dietary supplements such as omega-3 capsules with their intense fish odor. In the pharmaceutical and laboratory sectors, strongly smelling chemicals are often used, which can still be noticeable in the final product—making odor adsorption necessary here as well.

Additional Moisture Protection Through Combination with Desiccant

In addition to pure odor adsorption, odor control can be combined with moisture protection by mixing activated carbon with a desiccant. For example, powder-based dietary supplements require a desiccant to prevent clumping. When combined with activated carbon, any unpleasant odors can be eliminated at the same time.

Automatic Feeding via Bag Chains

The company offers TROcarbon® sachets with 100% activated carbon filling in various sizes ranging from 0.5 grams up to 1 kilogram per sachet, as well as mixed sachets with a customer-defined ratio of activated carbon and a desiccant suited to the application (silica gel, molecular sieve, or clay). Mixed sachets are available in

sizes from 0.5 to 5 grams. For efficient automated feeding, customers can obtain TROcarbon® sachets—both pure activated carbon and mixed variants—in bag chains.

Sustainable Primary Packaging Material

Activated carbon made from coconut shells is sustainable, as it is based on a renewable raw material. Since the activated carbon binds molecules to its surface through physical adsorption and no chemical reaction occurs, it can be thermally regenerated and reused. However, this requires a certain amount of energy and handling effort.

The sachets are made from Tyvek®, the proven packaging material used by TROPACK, which has long been established as a safe packaging material in the pharmaceutical, diagnostics, and food industries.

Characters: 2.661

Visual Content:



Image 1) Odor adsorption using activated carbon—optionally combined with a desiccant for moisture protection: TROcarbon® in various sachet sizes. *Image: ©TROPACK Packmittel GmbH*



Image 2) Precision setup for TROcarbon® sachet chains: Continuous automated feeding delivers maximum efficiency in the packaging process. *Image: ©TROPACK Packmittel GmbH*

About TROPACK:

TROPACK Packmittel GmbH is one of the leading manufacturers of desiccants and packaging solutions for industries such as pharmaceuticals, electronics, automotive, and food. Since 1991, the company has developed, produced, and distributed a wide range of desiccant products to protect sensitive goods and extend shelf life. The product portfolio includes desiccant sachets, canisters, and capsules, aluminum composite films, humidity indicators, and packaging accessories.

TROPACK desiccants are food-safe, free from harmful substances, odorless, and regenerable. They comply with DIN 55473, EU regulations such as EC 1935/2004, and US FDA regulations including 21 CFR Part 175 and Part 177. Production takes place exclusively at the headquarters in Lahnau-Waldgirmes, Germany.

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