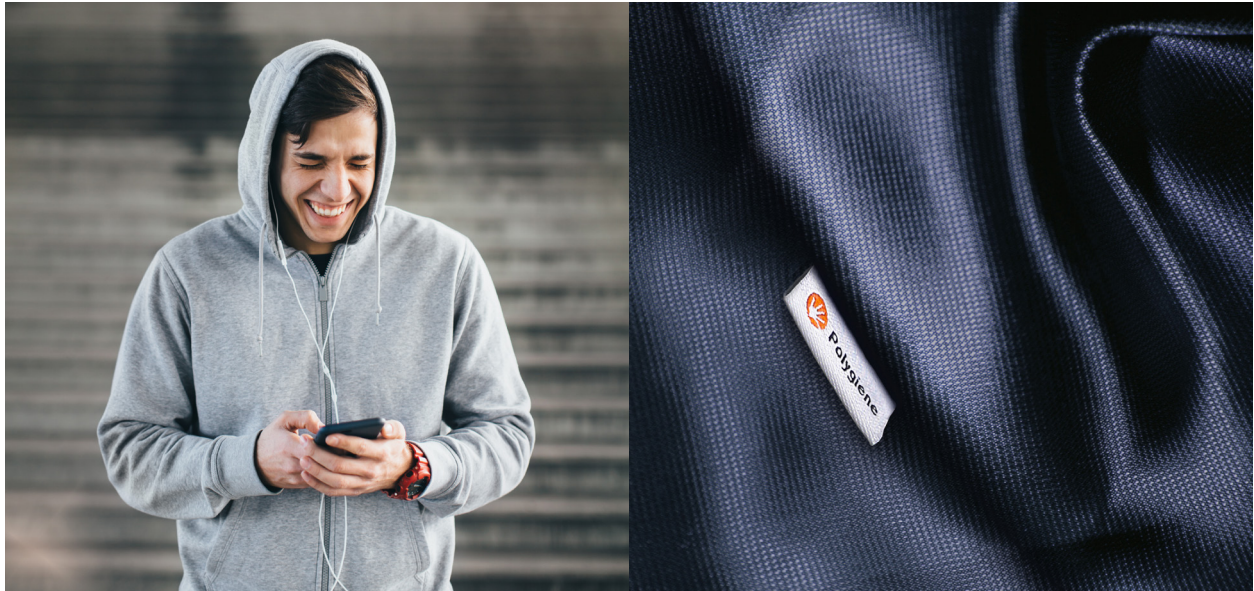


Polygiene

Odor Crunch®



This new technology is based on sand (silica) and water, two of the most common raw materials in the world. Polygiene Odor Crunch® captures and breaks down unpleasant odors that we meet in our everyday life – coming from body odors, cigarette smoke, cooking fumes or other smelly environments.

How it works

Polygiene Odor Crunch® consists of silica, the main ingredient in sand, modified with a unique catalyst that breaks down odor.

Polygiene Odor Crunch particles eliminate odors extremely efficiently in a 2-step odor eliminating process.

Offensive odor consists of oxygen, nitrogen and sulfur containing molecules. These odor molecules will stick to the modified silica particles in Odor Crunch.

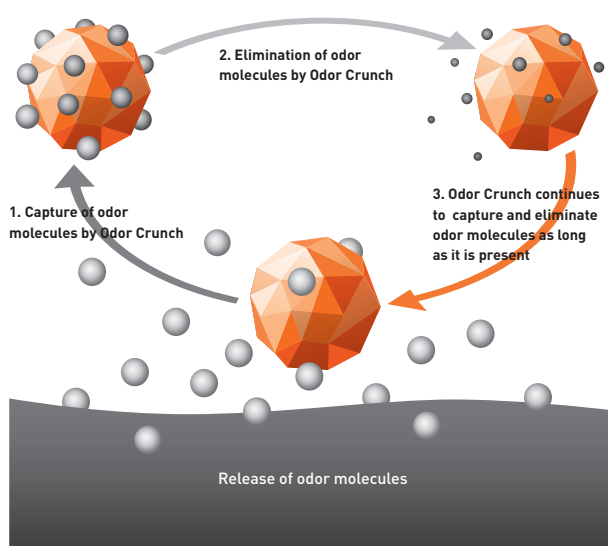
Once the odor molecules are adsorbed, they will be catalytically cracked and broken down and the offensive odor is permanently eliminated.

Benefits

Your clothes, footwear and products will:

- **Stays fresh** – Polygiene Odor Crunch eliminates odor caused by body odor, cigarette smoke, or cooking fumes so you can reuse your garments without needing to wash it.
- **Lasts longer** – As the products stay fresh, less washing is needed and the products last longer. (We can wash our clothes half as much and keep them twice as long)
- **Be climate smart** – Garments and gear with Polygiene Stays Fresh Technology use less resources such as energy, CO2 and water by needing to be washed less. Longer use of our clothes, together with a zero waste production, makes Odor Crunch a sustainable choice.
- **Drive change** – Polygiene Odor Crunch encourages a change in consumer behavior by allowing consumers to wash their garments less. This means less use of resources and longer lasting garments, that can then be re-sold.
- **Make life easier** – Less washing and laundry time means time to do the things you love instead.

Polygiene with Odor Crunch doubles the effect



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Polygiene Odor Crunch® consists of silica, the main ingredient in sand. The Odor Crunch particles eliminate odors efficiently in a 2-step process. Offensive odor consists of oxygen, nitrogen and sulfur containing molecules and these odor molecules will stick to the modified silica particles in Odor Crunch. Once these molecules are adsorbed, they will be broken down and the offensive odor is permanently eliminated.



NOW WITH
**ODOR
CRUNCH®**

Hard facts

- Polygiene Odor Crunch consists of 95% filtered river water and 5% modified silica sand particles.
- The patented solution is produced in Sweden.
- No waste is accumulated during the production process as all raw material is converted into a final product.
- Polygiene Odor Crunch is not a biocide and is not liable under the BPR (Biocidal Product Regulation).
- Polygiene Odor Crunch is under the process of being a bluesign® and Oeko-tex® approved product.
- Registered under REACH.
- Treated products can be recycled.

Odor control tests

The tests performed on fabrics treated with Odor Crunch are mainly done on the odor component isovaleric acid. The test measures the reduction of the odor component in a fabric, and is presented as odor decrease in percent (%). The tests might be subject to change.

Polygiene Stays Fresh combination product

Polygiene Odor Crunch's main use will be in combination with Polygiene's classic Stays Fresh Technology based on recycled silver salt.

The Polygiene Stays Fresh Technology now covers odors caused by bacteria, such as sweat odor, as well as odors from environmental factors, truly providing an odor free and sustainable solution to today's environmental issues.

“Garments and products treated with the combination product will feel fresh and clean despite sweaty conditions and smelly environments.”

