

Chemistry. Pure. Efficient.

## New ZEOflair™ Odor Removal Additive Adsorbent

Zeochem's new ZEOflair powder is a high performance adsorbent used to control medium to high levels of odors and VOCs in recycled polyolefin materials. It can be used with the processing of post-consumer (PC), post-industrial (PI), post-agricultural, and ocean plastics. ZEOflair is an easy to handle, non-toxic, odorless, free-flowing powder that is temperature stable.



### Removes odors & reduces VOCs in:

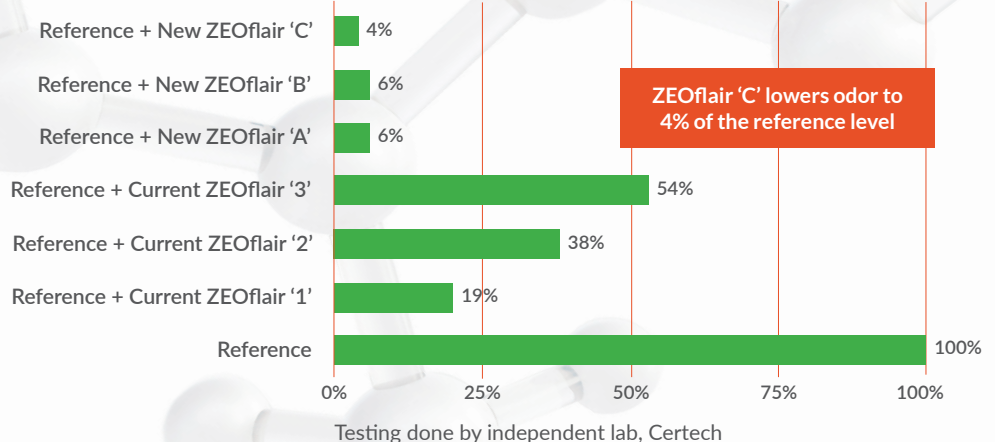
- Recycled Polyolefins (for recycling and upcycling)
  - Post-Consumer Recycling (PCR)
  - Post-Industrial Recycling (PIR)
- Thermoplastics / Thermoplastic Elastomers
- Bioplastics / Biocomposites

### Application

ZEOflair specialty adsorbent powder can be easily incorporated as an additive into existing polymer formulations through a masterbatch or direct compounding. The addition level of ZEOflair powder in the final product is between 1-3+ wt. % of the recyclate (or recycled plastics) and its use does not typically alter the resin's physical, chemical, or mechanical properties. ZEOflair adsorbent can be recycled, and as such, enables material recycling and upcycling to maximize the recyclate use.

ZEOflair powder is strongly selective for the adsorption of a wide range of odors and VOCs present in various packaging materials. Due to its three-dimensional open structure, ZEOflair powder can effectively reduce a wide-range of organic and inorganic unwanted compounds to low-levels (as seen in the chart).

### Odor Reduction Using Zeochem ZEOflair Adsorbent



Typical Properties (nominal values)	Value
Average particle size (µm)	< 7
Appearance, form	white powder
LOI (loss on ignition), (wt%)	< 8

## Compliance

Zeochem ZEOflair powder is REACH-compliant. It is manufactured in Europe and can be shipped globally. Please talk with your local Zeochem representative for additional countries' compliances.

## About Us



### Mission

Zeochem AG, a manufacturer of molecular sieves, high quality irregular and spherical silica gels and deuterated compounds, was founded more than 200 years ago. Its headquarters is based in Switzerland. Zeochem is a subsidiary of the Swiss CPH Chemie + Papier Holding AG.

### Quality

Our products are analyzed and certified by our state-of-the-art quality control lab. Zeochem AG uses its own test methods and applies proprietary test procedures specific to customer applications to ensure that our products enable the expected performance. Zeochem AG is ISO 9001:2015 certified.

### Environment

Zeochem AG regards the careful use of natural resources and safe production processes, as well as ensuring minimal pollution among its critical goals.

The company is a member of the Swiss Private Sector Energy Agency and is committed to the principles of "Responsible Care".

# ZEOCHEM®



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