

# ZEOflair™ 90

## Technical Datasheet



ZEOflair 90 is a highly active, hydrophobic adsorbent for the removal of undesirable odors, flavors, and VOCs from recycled polyolefin materials. Due to its three-dimensional open structure, ZEOflair 90 effectively removes odor/VOC molecules. This special adsorbent system can be easily incorporated as an additive to existing polymer formulations through a master batch or direct compounding.

ZEOflair 90 is strongly selective for the adsorption of a wide range of odors/VOCs from various packaging materials, even in high humidity conditions. It can effectively reduce a range of organic and inorganic compounds to imperceptible levels, despite the presence of water. Potential ZEOflair 90 applications for odor/VOC control include post-consumer (PC) and post-industrial (PI) and scrap/regrind polyethylene and polypropylene recycled streams. The best performance is achieved with PC/PI streams that either have low to no aromatic odor content or that have undergone prior odor pretreatment such as washing, or degassing, etc.

Typical Properties (all nominal values)	Value	Unit
Average particle size	<7	µm
Appearance, form	white powder	
LOI (loss on ignition), 1000°C	<8	wt%
Thermal stability	>800	°C

### Additional Information

#### Packaging

Steel drums of 20 kg, Steel drums of 90 kg, or Big bags of 600 kg

#### Storage

When stored in original sealed packages in a cool, dry condition, the product has a shelf life of three years if packaged in big bags and five years if packaged in drums.

#### Safety

In accordance with Regulation (EC) No. 1272/2008 (GHS/CLP), the product does not need to be classified or labeled.

#### CAS No

1318-02-1

#### EINECS No

930-985-0

#### REACH No

01-2119455853-31-xxxx

#### Customs tariff

2842.10