



Print this page Performance Additives

Additives

## AddWorks® ATR 146

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### High performance light and heat stabilization for filled PP compounds

#### Product Description

AddWorks ATR 146 is Clariant's new low dosage, sulfur-free stabilizer solution for filled TPO compounds used in automotive interior. It offers outstanding light protection, exceptional heat stability, reduced VOC/odor emissions. AddWorks ATR 146 is used for typical TPO-based car interior parts such as dashboards, instrument panels and door panels. The solution fulfils current OEM requirements and sets the benchmark for the next generation of automotive interiors.

#### Benefits

- One single solution that complies with most stringent OEM requirements in heat and light stability and beyond
- Sulfur-free compound
- Low odor
- 10 % lower total carbon emissions from PP parts when compared to best alternative
- Long lasting surface aesthetics

#### Physical Properties

<b>Commercial form</b>	white to slightly yellowish pills
<b>Solubility</b>	Soluble in many organic solvents Insoluble in water
<b>Melting point</b>	approx. 135°C

#### Applications

AddWorks ATR 146 is a new solution based on sulfur-free high performance light and heat stabilizers developed to provide superior protection to automotive Interior PP compounds.

Filled PP compounds, grey or black colored, stabilized with AddWorks ATR 146, do not exhibit any surface cracking after exposure during 700 hours at 150°C.

AddWorks ATR 146 allows an outstanding color and gloss retention during artificial weathering tests.

AddWorks ATR 146 exhibits exceptional light and heat stabilization to filled PP compounds in automotive interior applications and answers to the most stringent OEM requirements for heat stability and VOC emissions, when dosed as low as 0,3%.

By combining excellent light protection, exceptional heat stability, and reduced VOC emissions in one single solution, AddWords ATR 146 is not only fulfilling current OEM requirements but is also setting the new benchmark for the next generation of automotive interiors.

#### Packaging & Handling

##### Delivery form

Pills

##### Packaging

Alubag 20 kg in Cardboard box

##### Storage

For best shelf life store this product in a dry area at normal ambient temperatures.  
Minimum shelf life is 2 years from the date of shipping when properly stored.

#### Safety

##### Hazards

Classification according CLP regulation (Regulation (EC) No. 1272/2008, as amended).

Serious eye damage, Cat. 1

Skin sensitization, Cat. 1

Chronic aquatic toxicity, Cat. 2

For further information please refer to the Material Safety Data Sheet.

##### Contact Us;

Please contact us for safety and regulatory details or the Material Safety Data Sheet (MSDS).

[www.clariant.com](http://www.clariant.com)



Clariant International Ltd



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