

# Armowax W-440

Polymer ester

Unique processing aid and compatibiliser for highly filled polyolefins, also suitable for engineering polymers and elastomers. Offers remarkable improvement in processing behavior and properties of the filled polymer compounds.

**CAS number**  
134210-67-6

**EINECS/ELINCS No.**  
Polymer

**TSCA status**  
listed on inventory

## Specifications

Appearance	Pastilles
Viscosity, 80°C	200-400 mm <sup>2</sup> /s

## Characteristics

Acid value	≤ 8 mg KOH/g
Density, 20 °C	0.940 g/cm <sup>3</sup>
Flash point, Cleveland open cup	115 °C
Melting point/range	45-48 °C
Solubility in water	Practically insoluble

## Applications

Armowax W-440 is a unique processing aid and compatibiliser for highly filled polyolefins, however also suitable for engineering polymers and elastomers. It offers remarkable improvement in processing behavior and properties of the filled polymer compounds. Armowax W-440 is polymeric ester of a long chain alcohol. Due to this the molecule contains hydrophobic as well as hydrophilic groups. For that reason it is also described as a double comb polymer. The combination of hydrophobic and hydrophilic groups provides improved wetting of the filler surface by the polymer matrix. Thereby ensuring optimum dispersion.

## Storage

Nouryon recommends to store Armowax W-440 in a dry well-ventilated place in the temperature range between from 5°C (41°F) to 20°C (68°F). Prolonged storage over 35°C (95°F) can cause some caking and discoloration.

### Note

When stored under the recommended storage conditions, Armowax W-440 will remain within the Nouryon specifications for a period of at least 12 months after delivery.

## Packaging and transport

The standard packaging is 20 kg (44. 1lb) net in a PE bag in a cardboard box. A full pallet carries 800 kg (1764 lb) net. Both packaging and transport meet the international regulations. For the availability of other packed quantities contact your Nouryon representative. Armowax W-440 is classified as a non-dangerous good according to national and international transport regulations.

## Safety and handling

Please refer to the Material Safety Data Sheet (MSDS) for detailed information on the safe storage, use and handling of , Armowax W-440. This information should be thoroughly reviewed prior to acceptance of this product. The MSDS is available at [nouryon.com/sds-search](http://nouryon.com/sds-search).

All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Nouryon, however, makes no warranty as to accuracy and/or sufficiency of such information and/or suggestions, as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nouryon does not accept any liability whatsoever arising out of the use of or reliance on this information, or out of the use or the performance of the product. Nothing contained herein shall be construed as granting or extending any license under any patent. Customer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes. The information contained herein supersedes all previously issued information on the subject matter covered. The customer may forward, distribute, and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use. Don't copy this document to a website.

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## Contact Us

**Polymer Catalysts Americas**  
[polymer.amer@nouryon.com](mailto:polymer.amer@nouryon.com)

**Polymer Catalysts Europe, Middle East, India and Africa**  
[polymer.emeia@nouryon.com](mailto:polymer.emeia@nouryon.com)

**Polymer Catalysts Asia Pacific**  
[polymer.apac@nouryon.com](mailto:polymer.apac@nouryon.com)

The Nouryon logo consists of a stylized blue 'N' followed by the word 'ouryon' in a lowercase, sans-serif font. The 'N' is significantly larger and more prominent than the rest of the text.