

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 ² /s

Characteristics

Acid value	≤ 8 mg KOH/g
Density, 20 °C	0.940 g/cm ³
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 <https://polymerchemistry.nouryon.com>.

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The Nouryon logo consists of a stylized orange 'N' followed by the word 'ouryon' in a lowercase, sans-serif font, all in orange.