

Armostat 600

(Hydrogenated tallow)-bis(2-hydroxyethyl) amine

Hydrogenated tallow-based antistat typically used in BOPP and PP. Provides sustained antistatic properties and shows excellent thermal stability due to its saturated alkyl chain, making it especially suitable for applications needing higher processing temperatures.

CAS number
90367-28-5

EINECS/ELINCS No.
291-276-3

Molecular weight
352

Specifications

| | |
|------------------------|--------------------------|
| Appearance | Slightly yellowish solid |
| Color | ≤ 150 Pt-Co |
| Equivalent weight | 338-360 g/eq |
| Tertiary amine content | ≥ 97.0 % |
| Water content | ≤ 0.2 % |

Characteristics

| | |
|---------------------------------|-------------------------|
| Clear point | 44 °C |
| Density, 20 °C | 0.960 g/cm ³ |
| Density, 25°C | 0.910 g/cm ³ |
| Flash point, Cleveland open cup | 219 °C |
| Solubility in water | Practically insoluble |
| Vapor pressure, 20 °C | ≤ 10 Pa |
| Viscosity, 20 °C | 150 mPa.s |

Applications

Armostat® 600 is a tallow based saturated alkylbis(2-hydroxyethyl) amine. Armostat® 600 is an internal antistatic additive that can be used in various polymers such as PE, LLDPE, PP, SAN and ABS. Armostat® 600 gives sustained antistatic action and shows excellent thermal stability due to its saturated alkyl chain. This makes Armostat® 600 especially suitable for those applications needing higher processing temperatures. Armostat® 600 is a solid at ambient temperatures. When heated at 50-55°C the product can be dosed as a liquid directly into the polymer by using a single or twin-screw extruder. Pigment or color concentrates should be mixed with the antistatic agent prior to extruding. Premixing ensures uniform distribution of Armostat® 600 in the resin while Armostat® 600 acts as a dispersion aid to the pigment color concentrate.

Storage

Nouryon recommends to store Armostat® 600 in a dry well-ventilated place at 25°C (77°F) max. Prolonged storage over 60°C (140°F) can cause some discoloration.

Note

When stored under the recommended storage conditions, Armostat® 600 will remain within the Nouryon specifications for a period of at least 12 months after delivery.

Packaging and transport

The standard packaging is 180 kg net in a steel drum (USA 400 lb). A full pallet carries 720 kg net (USA 1600 lb). Bulk delivery is also possible. Both packaging and transport meet the international regulations. For the availability of other packed quantities contact your Nouryon representative. Armostat® 600 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 Armostat® 600. This information should be thoroughly reviewed prior to acceptance of this product. The MSDS is available at 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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The logo for Nouryon, featuring a stylized blue 'N' followed by the word 'ouryon' in a lowercase, sans-serif font.