Armostat 600V

Palm based saturated alkylbis(2-hydroxyethyl) amine

Antistatic agent. Vegetable-based alternative to Armostat 600. 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. Typically used in BOPP and PP.

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 600V is a palm based saturated alkylbis(2-hydroxyethyl) amine. Armostat 600V is an internal antistatic additive that can be used in various polymers such as PE, LLDPE, PP, SAN and ABS. Armostat 600V gives sustained antistatic action and shows excellent thermal stability due to its saturated alkyl chain. This makes Armostat 600V especially suitable for those applications needing higher processing temperatures. Armostat 600V 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 twinscrew extruder. Pigment or color concentrates should be mixed with the antistatic agent prior to extruding. Premixing ensures uniform distribution of Armostat 600V in the resin while Armostat 600V acts as a dispersion aid to the pigment color concentrate.

Storage

Nouryon recommends to store Armostat 600V 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 600V 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 600V 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 600V. This information should be thoroughly reviewed prior to acceptance of this product.