

Nimul AntiStat 163

Ethoxylated Fatty Amine

Antistatic additive for plastics

PRODUCT DESCRIPTION

Nimul AntiStat 163 is a custom blend of liquid ethoxylated fatty amines. It is used as an internal or external antistatic additive for polyolefins (PE, PP) and styrenics. It migrates to the polymer surface, where it works with moisture in the air to dissipate static charge. It can also be used as an anti-fouling agent in gas phase polyolefin reactors.

CHEMICAL IDENTITY

Chemical name: Ethanol, 2,2'-iminobis-, N-C12-18-alkyl derivs.

Synonyms: N,N-Bis(2-hydroxyethyl) C12-18 alkylamine

CAS No.: 71786-60-2

EC No.: 276-014-8

INCI name: No Data Available

FEATURES AND APPLICATIONS

- Long-lasting antistatic effect
- Added as supplied or through a masterbatch
- Suited to film, injection moulding and flat bar extrusion
- For PE, PP and clear and opaque styrenics

TYPICAL USE LEVEL

PE (LDPE, HDPE): 0.1 to 0.2 % w/w of polymer

PP (film, BOPP, injection moulding): 0.1 to 0.2 % w/w of polymer

Styrenics (PS, HIPS, ABS, SAN): 1 to 4 % w/w of polymer

Typical starting levels. Suitability must be confirmed by the user through trials.

SPECIFICATIONS

APPEARANCE

Yellow transparent liquid

COLOUR (APHA / HAZEN)

0 to 50

NEUTRALISATION VALUE / MOLECULAR WEIGHT (G/EQ)

293 to 307

AMINE VALUE (MG KOH/G)

183 to 191

TERTIARY AMINE CONTENT (%)

98 min

MOISTURE (% W/W)

0.5 max

POUR POINT (°C)

≤ 2

SPECIFIC GRAVITY (25 °C)

0.90 to 0.93

SOLUBILITY IN WATER

Insoluble

PACKAGING

180 kg galvanized drums

SHELF LIFE

24 months, if kept airtight and at room temperature.

SAFETY AND REGULATORY

Read the Safety Data Sheet (SDS) for Nimul AntiStat 163 before handling and use.

Disclaimer: The information in this document is given in good faith and is believed to be accurate. Limits and typical values are for guidance and are not a warranty. Users should test the product for suitability in their own application and process. Nikita Transphase Adducts Private Limited accepts no liability for use outside recommended practice.