Antiox AHM EC

OBSOLETE

Description

ANTIOX AHM-EC is a synergistic blend of various non-staining antioxidants, including primary phenolic stabilizers, thio-esters for the long term stability and phosphites for high temperature protection. The physical form of the components is primarily (but not completely) dusty in order to facilitate the dissolution / melting of the product.

Application

This formula has been designed to grant a wide spectrum protection either to hot-melt polymer systems or to polymer solutions. It can be used with adhesives, pressure sensitive adhesives, coatings, injection moulding or extrusion compounds.

Technical Specifications

1. Total Solids	%
ANTIOX AHM-EC	99±1
5. Melting Range	°C
ANTIOX AHM-EC	60 - 100

Handling

For **hot-melt adhesives**, ANTIOX AHM-EC is very efficient at the following concentrations:

- Thermoplastic rubbers like SIS, SBS: 1.2-1.5% on rubber content;
- Ethylene-vinylacetate: 0.3-0.5% on EVA content;
- Thermoplastic polyurethanes: 0.2-0.4% on PU content;
- Polyamides: 0.5-1.0% on PA content.

For **solventborne adhesives**, ANTIOX AHM-EC is very efficient at the following concentrations:

- Natural rubber, SBR, chloroprene rubber, polyisoprene, butyl rubber: 0.25-0.5% on dry content.

ANTIOX AHM-EC can be added directly to the compound, either together with other recipe ingredients, or predispersed into one of them, or dissolved (for solvent solutions).

In hot-melt continuos system (by extrusion process) it is advisable that a liquid component (like liquid rosin esters or naphtenic oil, etc.) is used to give some tack to the surface of granules, in order to have a fair distribution over the total mass.

Storing

The product shall be stored in cool and dry conditions, protected from humidity, heat, sunlight and water.
Once opened, each individual package should be used completely to avoid hydrolysis. Storage at elevated temperatures, exposure to direct heat and/or moisture could significantly decrease product shelf life.

Build date 6 Oct 2025

ICHEMCO srl
via 11 Settembre, 5 - 20012 CUGGIONO (MI) - ITALY
Phone: +39 02 97243.1 - info@ichemco.it - www.ichemco.it