

Antiox AHM

Description

ANTIOX AHM is a synergistic blend of three antioxidant systems, including primary phenolic stabilizers, a thio-ester for the long term stability, and a phosphite for high temperature protection. Its physical form ensures very low dust formation in handling and good flowing properties. The product is completely soluble both in aromatic and in aliphatic solvents

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 and injection moulding or extrusion polymers.

Technical Specifications

Method of analysis	MU	Standard
1. Total Solids	%	99±1
5. Melting Range	°C	110 - 140

Handling

For **HOT-MELT adhesives**, **ANTIOX AHM** is very efficient at the following concentrations:

thermoplastic rubbers, like SIS, SBS: 1.2 - 1.5% on rubber content;

ethylene-vinylacetate (EVA, type ELVAX, etc.): 0.3

- 0.4% on EVA content;

thermoplastic polyurethanes (e.g. ESTANE, DESMOCOLL, etc.): 0.2 - 0.4% on PU content;

polyamides (e.g. Reammide, Versamide, etc.): 0.5 - 1.0% on PA content.

For **SOLVENT BASED adhesives**, **ANTIOX AHM** is very efficient at the following concentrations:

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

ANTIOX AHM can be introduced directly into the compound, together with the other ingredients, or it can be predispersed into one of them or dissolved in case of (solvent based products).

When used in a hot-melt continuous system (extrusion process), it is advisable that a liquid component (like liquid rosin esters or naphtec oil, etc.) is used to give some tack to the surface of granules, in order to have a fair distribution over the total mass. In solvent systems, a concentrated solution can be made (e.g. TS= 5 -10%) in exane toluene.

Packing

The product is supplied in fibre drums (50 kg).

Storing

ANTIOX AHM must be stored in a dry place to avoid agglomeration.

Use within 24 months from the date of manufacture (unopened and in the original packaging).