Antiox AHM-K

Description

ANTIOX AHM-K 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

Method of analysis	MU	Standard
1. Total Solids	%	99±1
5. Melting Range	°C	50 - 190

Handling

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

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

ANTIOX AHM-K 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.

Packaging

The product is supplied in plastic bags (20 kg); fibre drums (50 kg).

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.

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

Build date 11 Sep 2025

Above information is reliable, but does not constitute warranty.

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