

Antiox AHM PELLETS

Description

ANTIOX AHM PELLETS is a synergistic blend of five non staining antioxidants, including three primary phenolic stabilizers, a thio-ester for the long term stability, and finally a phosphite, for the high temperature protection. Its physical form is pellets to avoid dust formation in handling and good flowing properties.

Application

This formula is specially designed for a wide spectrum protection either of hot-melt polymer systems or of polymer solutions. It can be used with adhesives, pressure sensitive adhesives, coatings, injection moulding or extrusions.

Technical Specifications

Method of analysis	MU	Standard
1. Total Solids	%	99±1

Handling

- 1) For HOT-MELT adhesives ANTIOX AHM PELLETS is very efficient at the following concentrations :
- a) Thermoplastic rubbers, like SIS, SBS (e.g. Cariflex, Solprene, etc.): 1.2 - 1.5% on rubber content.
 - b) Ethylene-vinylacetate (EVA, type ELVAX, etc.): 0.3 - 0.5% on EVA content.
 - c) Thermoplastic polyurethanes (e.g. ESTANE, DESMOCOLL, etc.): 0.2 - 0.4% on PU content.
 - d) Polyamides (e.g. Reamide, Versamide, etc.): 0.5 - 1.0% on PA content.

- 2) For SOLVENT BASED adhesives ANTIOX AHM PELLETS is very efficient at the following concentrations :

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

ANTIOX AHM PELLETS can be introduced directly into the compound, together with other recipe ingredients, or predispersed into one of them or dissolved (if it is a matter of solvent). In the hot-melt continuous system (by extrusion process) it is advisable that a liquid component (like liquid rosin esters or naphthenic 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 the solvent systems, one can make a solution concentrate (exane, toluene, etc.), for example at 5 - 10% of solids.

Packing

ANTIOX AHM PELLETS is normally supplied in 40-50 kg fibre drums.

Storing

ANTIOX AHM PELLETS must be stored in a dry place to avoid agglomeration. Shelf life is 1 year.