Antiox AHM FF

OBSOLETE

Description

ANTIOX AHM/FF is a synergistic blend of five non staining antioxidants, including three primary phenolic stabilizes, a thio-ester for the long term stability, and finally a phosphite, for the high temperature protection. Its peculiar characteristic is the physical form, that avoids powder formation and permits free flowing.

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

1. Total Solids	%	
ANTIOX AHM/FF		99±1
5. Melting Range	°C	
ANTIOX AHM/FF		85 - 100

Handling

1) For HOT-MELT adhesives ANTIOX AHM/FF 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. Reammide, Versamide, etc.): 0.5 - 1.0% on PA content.

2) For SOLVENT BASED adhesives ANTIOX AHM/FF 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/FF 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 continuos system (by extrusion process) it is advisable that a liquid component (like liquid rosin esters or naphtalic 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.

Packaging

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

Storing

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

Notes

Being a blend of different chemicals, ANTIOX AHM/FF does not present an exact melting point. Antes melting point test gives the above mentioned value range. ANTIOX AHM/FF is neither toxic nor staining. Its soluble in aliphatic and aromatic hydrocarbons.

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Above information is reliable, but does not constitute warranty.

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