



# Antiox AHM-EC2 PELLETS

(Provisional)

## Description

ANTIOX AHM-EC2 PELLETS is a synergistic blend of four non staining antioxidants, including two primary phenolic stabilizers, a thio-ester for the long term stability, and finally a phosphite, for the high temperature protection. Its physical form allows very low 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-EC2 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-EC 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-EC2 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 naphthalic 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 (hexane, toluene, etc.), for example at 5 - 10% of solids.

## Packaging

The product is supplied in plastic bags (20 kg).

## Storing

ANTIOX AHM-EC2 PELLETS must be stored in a dry place to avoid agglomeration.

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

## Notes

ANTIOX AHM-EC2 PELLETS, being a blend of four different products, doesn't have a specific melting point.