



# ANTIOX 1010

(Provisional)

## Description

**ANTIOX 1010** is a very efficient non-staining, sterically hindered primary phenolic stabilizer in powder form that protects organic polymers against thermo-oxidative degradation.

## Application

**Antiox 1010** 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.

## Handling

For **hot-melt adhesives**, ANTIOX 1010 is very efficient at the following concentrations:

- Thermoplastic rubbers like SIS, SBS: 1-2% on rubber content;
- Ethylene-vinylacetate: 0.5-1% on EVA content;
- Thermoplastic polyurethanes: 0.4-0.8% on PU content;
- Polyamides: 0.5-1.0% on PA content.

For **solventborne adhesives**, ANTIOX 1010 is very efficient at the following concentrations:

- Natural rubber, SBR, chloroprene rubber, polyisoprene, butyl rubber: 0.2-1% on dry content.

**ANTIOX 1010** 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 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.

## 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).