

Eversorb® 761

Light Stabilizer for PET, PBT and Nylon Fiber

Introduction

Eversorb® 761 is particularly recommended for using in Nylon, PET and PBT, especially in fiber type products.

Eversorb® 761 brings an excellent photostability to polymers against UV light exposure in many ways i.e. retarding color yellowing, preventing embrittlement, maintaining of mechanical properties etc.

Physical Properties

Appearance

Slightly yellowish powder

Solubility at 20°C (g/100g solvent)

Acetone : 4.0

n-Hexane : 1.8

Methanol : 0.2

Water : < 0.01

Advantages

Very stable to heat and can be used in plastic, which require high processing temperature.

Odourless, does not bring smells to the polymers

High resistance to thermal degradation

Provide no effect on initial color of substrates.

High compatibility with a wide range of polymers.

Application

Eversorb® 761 can be used in Nylon, PET and PBT. In general, it is recommended 0.1 to 1.0 wt% based on polymer weight.

Weathering Test

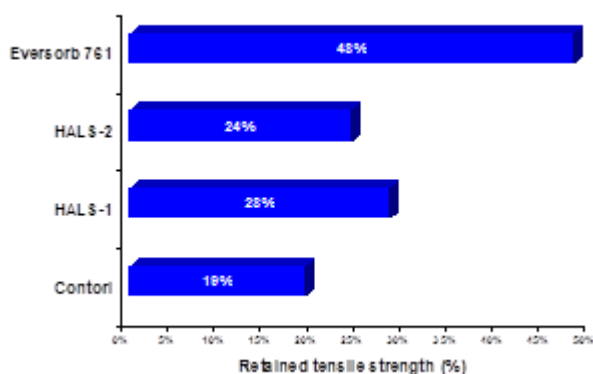
Sample: Nylon-6 carpet yarn 18 DPF

Test model: ASTM G-26

Exposure: Xenon-Arc Weather-Ometer

Exposure time: 500 hours

Test item: Retained tensile strength



HALS-1:

Poly[[6-[(1,1,3,3-tetramethylbutyl)amino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidiny)imino]-1,6-hexanediy][(2,2,6,6-tetramethyl-4-piperidiny)imino]]

HALS-2:

Poly[(6-morpholino-s-triazine-2,4-dily)[2,2,6,6-tetramethyl-4-piperidyl]imino]-hexamethylene[(2,2,6,6-tetramethyl-4-piperidyl)imino]]

Handling & Safety

Personal equipment for protection is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling.

Storage Conditions

Eversorb® 761 should be kept in a dry, dark place without any light exposure.

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose. Seller makes no representation or warranty to express or implied including of merchantability or fitness for particular purpose.

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