

# Eversorb® 90FD

## Low molecular weight hindered amine light stabilizer for plastic applications

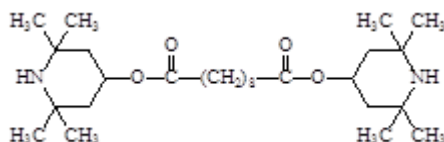
### Introduction

Eversorb® 90FD provides excellent light stability, compatibility for thick sections. Eversorb® 90FD is particularly suitable for using in polypropylene, high-density polyethylene and ABS. It is also effective to protect the following plastics: Polyurethane, polystyrene, polyester, polyamide, coatings, adhesives and rubbers.

### Chemical Name

Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate

### Chemical Structure



(CAS number) 52829-07-9

Molecular Weight 480 g/mol

### Physical Properties

#### Appearance

white granules

#### Melting point

81-86°C

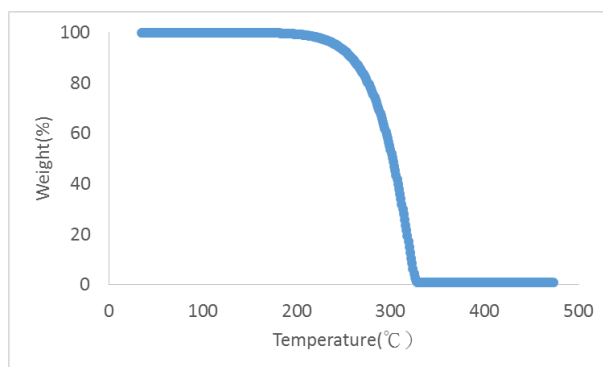
### Solubility at 25°C (g/100g solvent)

Acetone	:	18
benzene	:	46
Methanol	:	38
n-Hexane	:	5
Chloroform	:	45
Ethyl acetate	:	24
Water	:	< 0.01

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## TGA scans

5% weight loss: 255°C (Ramp: 10.0°C/min to 800°C)



## Advantages:

- High compatibility with other HALS and UVA.
- Very stable to heat and can be used in plastics, which requires high processing temperature.
- High compatibility with a wide range of polymers.
- Odorless, does not bring smells to the polymers.
- Produce no effect on initial color of substrates.
- Provide high synergistic effect with UV absorbers.

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## Handling & Safety

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

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## Storage Conditions

Eversorb® 90FD should be kept in a dry, dark place without any light exposure.

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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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