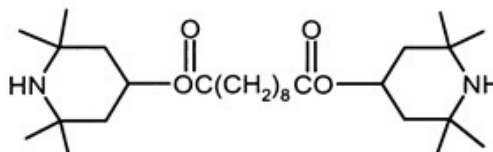


# PUREsorb 770

Low Molecular Weight Hindered Amine Light Stabilizer (HALS)

**Description:** PUREsorb 770 is a low molecular weight hindered amine light stabilizer (HALS). It is a highly effective radical scavenger that protects organic polymers against degradation caused by exposure to ultraviolet radiation.

## Formula



**Chemical name:** Bis (2,2,6,6-Tetramethyl-4-Piperidinyl) sebacate

**CAS number:** 52829-07-9

**Molecular weight:**

481 g/mol

**Features & benefits:** PUREsorb 770 is a highly effective a light stabilizer which makes it well suitable for applications in both thick section and films, independent of the thickness of the articles.

**Application:** PUREsorb 770 is widely used in a variety of applications including polypropylene, polystyrene, polyurethanes, ABS, SAN, ASA, polyamides and polyacetals. Combined with other HALS products such as PUREsorb 944, PUREsorb 770 displays strong synergistic effects.

**Health & Safety:** The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials.

## Physical Properties:

Melting range	81 - 85°C
Purity (%)	> 99%
Transmittance (10g/100ml methyl benzene)	425nm: 99%min ; 450nm: 99%min
Volatility (105°C,2hrs)	0.2%
Vapor pressure	1.0 E6 Pa
Bulk density (g/l)	Powder: 470-570, pellets: 450 - 550
Solubility (20°C) g/100g solution	Solubility (20°C) g/100g solution
- Acetone	19.0
- Ethyl-acetate	24.0
- Methanol	38.0
- Methylene Chloride	56.0
- Chloroform	45.0
- Benzene	46.0
- n-hexane	5.0
- Water	<0.01