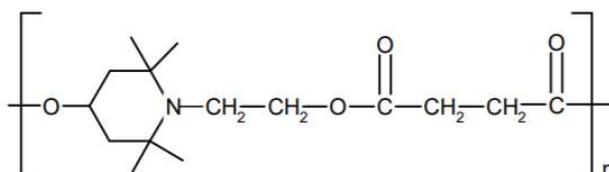


## PUREsorb 622

Oligomeric Hindered Amine Light Stabilizer (HALS)

**Description:** PUREsorb 622 is a high molecular weight hindered amine light stabilizer (HALS). It is the light stabilizer of choice for applications calling for low volatility and minimal migration. Furthermore, it is an effective antioxidant contributes significantly to the long-term heat stability of polyolefins and tackifier resins.

### Formula



**Chemical name:** Butanedioic acid, dimethylester, polymer with 4-hydroxy-2,2,6,6-tetramethyl-1-piperidine ethanol

**CAS number:** 65447-77-0      **Molecular weight:** Mn = 3100 - 4000 g/mol

**Features & benefits:** PUREsorb 622 is significantly more efficient than UV absorbers, particularly in pigmented systems. Its combinations with UV absorbers or other HALS range in many cases result in synergistic effects.

**Application:** PUREsorb 622 areas of application include polyolefins (PP, PE), olefin copolymers such as EVA as well as blends of polypropylene with elastomers. In addition, PUREsorb 622 is highly effective in polyacetals, polyamides and polyurethane applications.

**Health & Safety:** In accordance with good industrial practice, handle with care and prevent contamination of the environment. Avoid dust formation and ignition sources. For more detailed information please refer to the material safety data sheet.

### Physical Properties:

Melting range	50 - 70°C					
Flashpoint	250°C Cleveland					
Special gravity (20°C)	1.22 g/cm <sup>3</sup>					
Vapor pressure	2.5 E6 Pa					
Bulk density (g/l)	Powder: 300 - 500, pellets: 500 - 700					
Solubility (20°C) g/100g solution	Solubility (20°C) g/100g solution					
- Acetone	4.0	- Chloroform	>40			
- Ethyl-acetate	3.0	- Ethanol	0.08			
- Methanol	0.05	- Toluene	15			
- Methylene Chloride	>40	- n-hexane	<0.01			
		- Water	1.6			
Volatility (pure substance; TGA-data, heating rate 20°C/min in air)						
Temperature (°C)	200	225	250	275	300	325
% weight loss	0.1	0.2	0.4	1.1	3.1	8.4