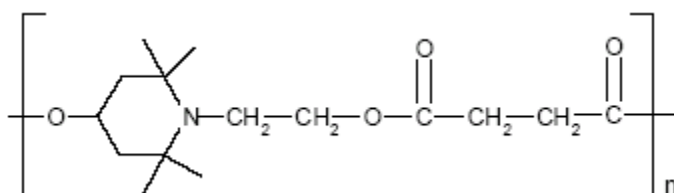


# PUREsorb 622

## Oligomeric Hindered Amine Light Stabilizer (HALS)

**Description** **PUREsorb 622** is a polymerized hindered amine light stabilizer with high molecular weight, low volatility and low degradation, hardly extractable by water. **PUREsorb 622** is effective as antioxidant and contributes significantly to the long-term heat stability of polyolefins and tackifier resins.

### Chemical Structure



**Chemical name** Butanedioic acid, polymer with 4-hydroxy-2,2,6,6-tetramethyl-1-piperidineethanol

**CAS number** 65447-77-0

**Molecular weight:** Mn = 3100 - 4000

**Features & benefits** The effectiveness of **PUREsorb 622** surpasses significantly that of UV absorbers, particularly in pigmented systems. Combinations of **PUREsorb 622** with UV absorbers, e.g. UV range or other HALS range in many cases result in synergistic effects.

**Applications** **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 polyurethane, polyacetals and polyamides applications. PP Fibers (0.1-1.0%), LDPE and LLDPE Films (0.1-1.2%), HDPE and PP Tapes (0.2-0.8%), Thick sections of HDPE, LDPE, LLDPE & PP (0.15-0.5%)

**Handling & Safety** In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Avoid dust formation and ignition sources. For more detailed information please refer to the material safety data sheet.

**Storage** **PUREsorb 622** has to be stored in tightly sealed original container in a cool and well-ventilated area, away from direct sunlight.

### Physical Properties:

Product forms	Colorless to light yellowish micro granules
Melting range	50 - 70°C
Flash point	>250°C
Vapor pressure	2.5 E-6 Pa
Specific Gravity (20 °C)	1.22 g/cm <sup>3</sup>
Bulk density (g/l)	500 - 700
Solubility (20°C) g/100g solution	Solubility (20°C) g/100g solution

## TECHNICAL DATA SHEET

Polygel Product Management

Email: [info@polygelbrunei.com](mailto:info@polygelbrunei.com)



- Acetone	4.0	- Chloroform	>40
- Ethyl-acetate	3.0	- Toluene	15.0
- Methanol	0.05	- n-hexane	<0.01
- Methylene Chloride	>40	- Water	<0.01

**IMPORTANT:** The following supersedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled or lab work and must be confirmed by Buyer by testing for the intended conditions of use. The product(s) has (have) not been tested for, and is (are) therefore not recommended for uses for which prolonged contact with mucous membranes, abraded skin or blood is intended, or for uses for which implantation within the human body is intended.

November' 2019