

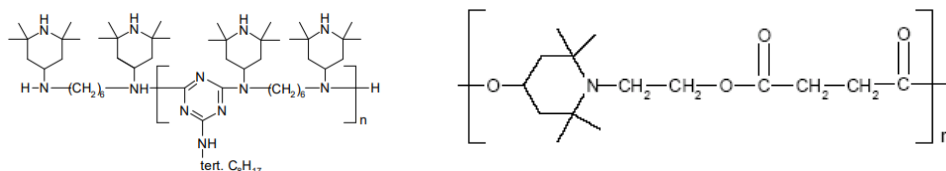
# PUREsorb 783

## Synergistic Mixture of Oligomeric Hindered Amine Stabilizers

**Description** **PUREsorb 783** is a synergistic blend of PUREsorb 622 and PUREsorb 944. It is a versatile light stabilizer with good extraction resistance, low gas fading and low pigment interaction. **PUREsorb 783** is well suited for LDPE, LLDPE, HDPE films, tapes and thick sections and for PP films. **PUREsorb 783** is also the product of choice for thick sections where indirect food contact approval is required.

**Chemical name** PUREsorb 622 + PUREsorb 944

**Chemical Structure**



**Molecular weight** 3100 - 4000 g/mol

2000 - 3100 g/mol

**CAS number:** PUREsorb 622 [65447-77-0]

PUREsorb 944 [71878-19-8]

**Features & benefits:** **PUREsorb 783** is a versatile light stabilizer for thin and thick sections and delivers excellent cost and performance benefits. **PUREsorb 783** can be used at levels not possible with other conventional stabilizers for applications requiring indirect food approvals.

The synergism between the two high molecular weight HALS components of **PUREsorb 783** helps to provide an efficient stabilization to the polymer against degradation through UV radiation and long-term heat exposure.

**Application:** Application of **PUREsorb 783** include polyolefins (PP, PE), olefin copolymers such as EVA as well as blends of polypropylene with elastomers and PA.

Guidelines for Use-

	UV Stabilization of:	Usage
Thick sections	HDPE, LLDPE, LDPE & PP	0.1 – 0.8%
Films	LLDPE & PP	0.1 – 1.0%
Tapes	PP & HDPE	0.1 – 0.8%
Fibers	PP	0.1 – 1.0%

**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.

## TECHNICAL DATA SHEET

Polygel Product Management

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



**Storage** This product may be stored in a sealed container. Containers should be kept tightly closed when not in use and stored in a cool, dry place.

### Physical Properties:

Product form	White to slightly yellow pastilles
Melting range	55 - 140°C
Flashpoint	192 °C
Bulk density	514 g/L

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August, 2020