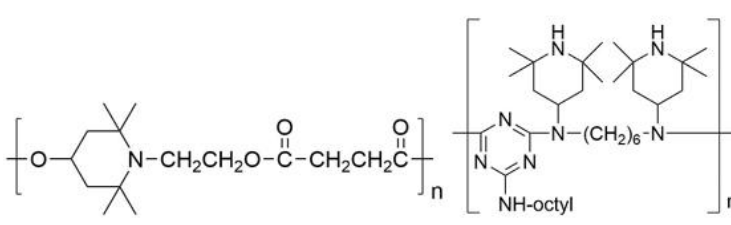


Light stabilizer UV-783

This polymeric hindered amine light stabilizer delivers superior thermal processing stability, low high-temperature volatility, and low migration for long service life. It resists water & solvent extraction and avoids degradation under long-term outdoor exposure, ideal for water-contact applications like agricultural films and geotextiles. It barely affects substrate initial color, features good compatibility with PP, PE, EVA, ABS, and PA, and resists blooming. With weak interference to organic pigments, it fits light/natural-color products perfectly; synergistic blending with UV absorbers further boosts weatherability.

1. Physical and chemical properties of the product

1.1 Product basic information

Project	Content
Chemical name	40%-60%Butanedioic acid, 1,4-dimethyl ester, polymer with 4-hydroxy-2,2,6,6-tetramethyl-1-piperidineethanol 40%-60%Poly- {[6-[(1,1,3,3-tetramethylbutyl)amino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidyl)imino]-1,6-hexanediyl[(2,2,6,6-tetramethyl-4-piperidyl)imino]}
CAS number	65447-77-0, 70624-18-9/71878-19-8
Molecular structure	

1.2 Technical parameter

Test item	Parameter
Appearance	Pale yellow granules
Ash %	≤ 0.1
Transmittance,% at 425 nm	≥ 90.0
Transmittance,% at 500 nm	≥ 93.0
Drying reduction %	≤ 1.0

1.3 Solubility (20°C, g/100 mL solvent)

Solvent	Solubility
Dichloromethane	50g
Chloroform	50g
Benzene	50g
Acetone	50g
Ethyl acetate	>45.1g
Methanol	30g
N-hexane	40g
Pure water	<0.01g

2. Operation and safety

1. This product is a general plastic additive and should be handled in accordance with standard chemical raw material handling procedures.
2. Avoid generating large amounts of dust; ensure proper ventilation in the workshop and keep it away from open flames and high-temperature heat sources;

3. Personal protection: Wear a dust-proof mask and nitrile protective gloves;
4. For complete information on first aid, leakage, storage, and transportation, and hazard details, please refer to the accompanying safety data sheet (SDS).

3. Storage and transportation

1. Store in a sealed container in a cool, dry, and well-ventilated warehouse, avoiding exposure to sunlight, rain, or moisture.
2. Store separately from strong oxidizing agents, strong acids, and strong bases;
3. The original factory-sealed product has a shelf life of 24 months at room temperature; once opened, it should be used as soon as possible and protected from moisture absorption.