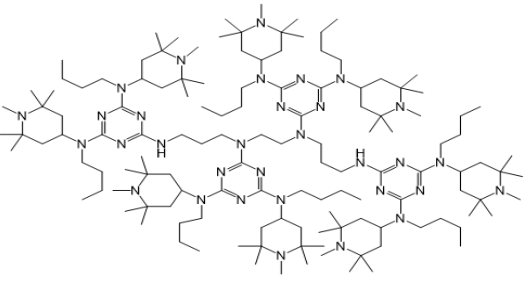


Light stabilizer UV-119

Macromolecular triazine-based hindered amine compounds feature extremely high molecular weights, low volatility, excellent resistance to migration, no streaking tendency, and minimal processing loss at elevated temperatures; methyl-protected piperidine-based compounds exhibit low basicity, good acid resistance, and do not antagonize the performance of agricultural chemical additives or acidic fillers; these compounds also provide both photostabilization and auxiliary thermal stabilization effects, demonstrate resistance to water extraction, and offer long-term color retention; furthermore, they exhibit excellent compatibility with polyolefins, elastomers, and engineering plastics, and when combined with UV absorbers, deliver outstanding weathering resistance.

1. Product physicochemical properties

1.1 Product basic information

Project	Content
Chemical name	N,N',N'',N'''-tetrakis(4,6-bis(butyl-(N-methyl-2,2,6,6-tetramethylpiperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10-diamine
CAS number	106990-43-6
Molecular structure	
Formula weight	2285.6

1.2 Technical parameter

Test item	Parameter
Appearance	White or Light Yellow Granules
Melting range °C	115-150
Ash %	≤0.1
Transmittance,% at 425 nm	≥95.0
Transmittance,% at 500 nm	≥98.0
Drying reduction %	≤1.0
Content %	≥85.0

1.3 TGA thermogravimetric data

Temperature	Thermal weight loss ratio
355°C	1%
419°C	5%
438°C	10%

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

Solvent	Solubility
Dichloromethane	26.52g
Chloroform	29.78g
Methylbenzene	21.65g
Acetone	1.58g

Solvent	Solubility
Ethyl acetate	0.90g
Alcohol	3.95g
Methanol	0.79g
N-hexane	0.659g
Pure water	<0.01g

2. Operation and safety

1. This product is a general-purpose plastic additive; it can be handled in accordance with standard chemical raw material operating procedures;
2. Avoid generating large amounts of dust; ensure the workshop is well-ventilated and kept 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 emergency response, leakage handling, storage, and transportation, and hazards, please refer to the accompanying SDS safety data sheet.

3. Storage and transportation

1. Store in a cool, dry, and well-ventilated warehouse; avoid direct sunlight, exposure to rain, or moisture.
2. Store separately from strong oxidizing agents, strong acids, and strong alkalis;
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 to prevent moisture absorption and clumping.