

LOWILITE[®] 62 UV stabilizer

Hindered Amine Light Stabilizer

Description

LOWILITE[®] 62 UV stabilizer is a Hindered Amine Light Stabilizer (HALS) that protects organic polymers against the degradation caused by exposure to ultraviolet radiation.

Chemical Name

Butanedioic acid, dimethyl ester, polymer with 4-hydroxy-2,2,6,6-tetramethyl-1-piperidine-ethanol

Synonym

1-Piperidineethanol, 4-hydroxy-2,2,6,6-tetramethyl-, polymer with dimethylbutanedioate

CAS-Nr.

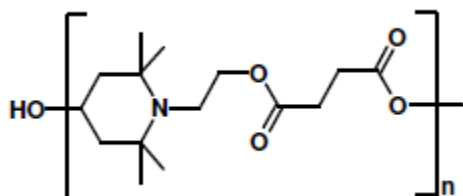
65447-77-0

EINECS-Nr.

Exempt

Formula

LOWILITE[®] 62 UV stabilizer



Typical physical properties of LOWILITE[®] 62 UV stabilizer

Appearance	Off-white slightly yellow microgranules
Softening range [°C]	55 - 77
Molecular weight [g/mol]	3100 – 4000
Bulk density [kg/m ³]	570

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Solubility (g/100g solvent) @ 25°C

n-Hexane	<0.1	Methanol	<0.1
Acetone	4	Ethyl Acetate	20
Chloroform	59	Water	<0.1
Toluene	45		

Thermogravimetric Analysis (10 mg @ 10 K/minute under N₂)

Weight Loss [%]	5	10	25
Temperature [°C]	310	322	337

Application

LOWLITE[®] 62 UV stabilizer is a polymeric HALS having a low melting range for use in polypropylene, polyethylene, styrenics, unsaturated polyester, acrylics, vinyl polymers (PVC, PVB), including plastisols, elastomers, adhesives, sealants and spin finishes. **LOWLITE[®] 62 UV stabilizer** typically demonstrates reduced interaction with co-additives such as pigments or other stabilizer and is an excellent stabilizer for systems containing high loadings of carbon black.

Food Contact

This compound has broad food contact approvals. For details please contact Addivant[™] Regulatory Affairs Polymer Additives.

Handling and Storage

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials. Unless otherwise stated, the shelf life of the product is 4 years when it is properly stored.

For additional handling and toxicological information consult the Addivant[™] Material Safety Data Sheet.

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