

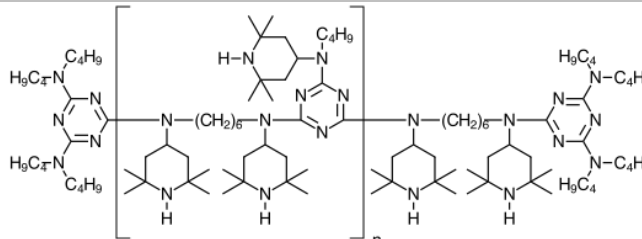
SABOSTAB® UV 40

Polymeric hindered amine light stabilizer (HALS) for plastics

Polymer Additives

COMPOSITION

Chemical structure



Chemical name

1,6-Hexanediamine, N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyl)-, polymer with 2,4,6-trichloro-1,3,5-triazine, reaction products with N-butyl-1-butanamine and N-butyl-2,2,6,6-tetramethyl-4-piperidinamine

CAS number

192268-64-7

TYPICAL PROPERTIES

Appearance	Slightly yellow micro-beads
Molecular weight	2600-3400 g/mol
Melting range	120-150°C
Bulk density	540-570 kg/m ³
Particle size	D ₅₀ = 2.6 mm

FEATURES

- Provides exceptional UV- and long-term thermal stability in polyolefins
- Low volatility, excellent resistance to extraction, minimal pigment interaction
- Narrow polydispersity ensures consistent performance in use and processing
- Extensive food contact clearances
- Dust free micro-beads product form

APPLICATIONS

SABOSTAB® UV 40 is a highly effective light stabilizer in a broad range of polymers in both thin and thick section applications, and is particularly useful in PE (injection molding, film, and tape), PP (injection molding, film, and fibers), TPO, polyamide fibers, flexible and rigid PVC, styrenic TPE, polyurethanes, and specialty adhesives. It is also recommended for use in systems containing mineral fillers and/or carbon black.

GUIDELINES FOR USE

Typical addition levels for SABOSTAB® UV 40 range from 0.05-1%, depending upon the application. The product shows a performance synergy with other light stabilizers, including low molecular weight HALS (e.g. SABOSTAB® UV 70, SABOSTAB® UV 91), high molecular weight HALS (especially SABOSTAB® UV 62), benzoates, and UV absorbers. The exact level to be used in any application should be determined in an appropriate testing program.

VOLATILITY (TGA weight loss temperatures, 20°C/min, in air)

1%	325°C
5%	390°C
10%	420°C

SOLUBILITY DATA (g/100 g solution, 20°C)

Acetone	50	<i>n</i> -Hexane	50
Chloroform	60	Methanol	100
Ethanol	100	Toluene	100
Ethyl Acetate	100	Water	< 0.0001

PACKAGING

25 kg PE bag (500 kg per pallet) or 600 kg bulk bag, pallet type CP3

HANDLING & STORAGE

Please consult the Safety Data Sheet prior to handling or using this product.

If properly stored in a dry place at temperatures below 25°C, SABOSTAB® UV 40 remains within the specification limits for at least 5 years.

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