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Tinuvin® 326

Product Description

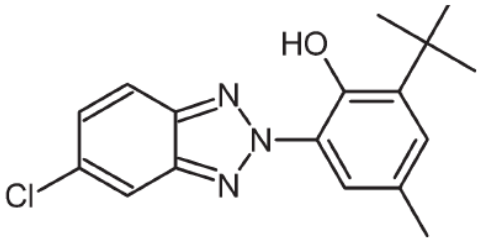
Tinuvin 326 is an ultraviolet light absorber (UVA) of the hydroxyphenyl benzotriazole class, which imparts outstanding light stability to plastics and other organic substrates.

Key Features & Benefits

- Low volatility
- Resistant to thermal degradation

Chemical Structure

Phenol, 2-(5-chloro-2H-bentotriazol-2-yl)-6-(1,1-dimethylethyl)-4-methyl



Properties

Typical Properties

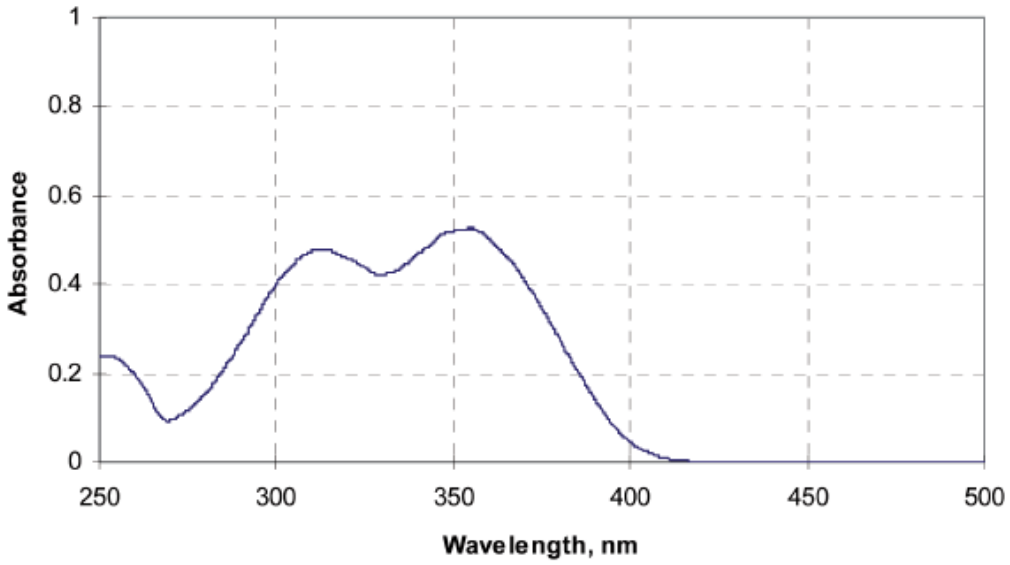
CAS No:		3896-11-5
Appearance		slightly yellow powder
Molecular weight	g/mol	316
Melting range	°C	138 – 141
Flash point (DIN 51584)	°C	238
Specific gravity (20°C)	g/ml	1.32
Vapor pressure (20°C)	Pa	7.5×10^{-7}

Solubility at 20°C (g/100 g solution):

Acetone	1
Chloroform	11
Ethanol	0.1
Ethyl acetate	2
n-Hexane	1
Methanol	0.1
Methylene chloride	9
Toluene	9

These typical values should not be interpreted as specifications.

Absorbance spectrum
(10 mg/l, Chloroform)



Tinuvin 326 exhibits strong absorbance in the 300 – 400 nm region and minimal absorbance in the visible region (> 400 nm) of the spectrum. The absorption maxima are at 312 nm and 353 nm (ε = 15600 l/mol · cm) in chloroform solution.

Applications

Tinuvin 326 is especially suited for polyolefins. Tinuvin 326 has a wide range of indirect food approvals in polyolefins. Its low volatility and high resistance to thermal degradation make it particularly useful in polyolefin compounding and molding processes.

Recommend Concentrations

Polypropylene	0.1 – 0.5%
Polyethylene	0.1 – 0.4%

Tinuvin 326 should be used in combination with a HALS light stabilizer system.

Safety

General

The usual safety precautions when handling chemicals must be observed. These include the measure described in Federal, State and Local health and safety regulations, thorough ventilation of the workplace, good skin care, and wearing of protective goggles.

Safety Data Sheet

All safety information is provided in the Safety Data Sheet for Tinuvin 326.

Storage

Please refer to the “Handling and Storage of Polymer Dispersions” brochure.

Important

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