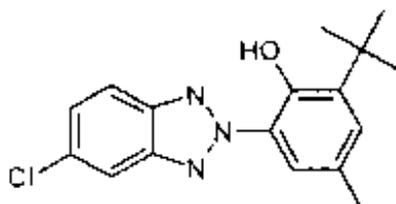


Uvistab 326

Properties and Characteristics



Uvistab 326 has low volatility at high temperatures and high resistance to thermal degradation, and can therefore be used without significant loss or decomposition in the polyolefin compounding and molding processes. It is used for the UV protection of polyester resins, as it does not form colored complexes with the metallic salts used for the curing process of these resins. It is also widely used in LDPE, HDPE, LLDPE, LLHDPE, PP, PA, PVC, PET, PMMA, and TPU.

Specifications

Property	Value
CAS Number	3896-11-5
Appearance	Slightly yellow powder
Other Names	Phenol,2-(5-chloro-2H-benzotriazole-2-yl)-6-(1,1-dimethylethyl)-4-h
Molecular Weight	315.8
Melting Range	139 - 140.5°C
Purity	99% min
Volatile	0.3% max
Transmittance	460nm: 97% min 500nm: 99% min

Applications

Uvistab 326 is especially suited for polyolefins, cold cured polyesters, and wood lacquers. Guidelines for use are as follows:

Polyolefins: It is recommended to use Uvistab 326 together with a HALS type light stabilizer system for best results. The recommended concentrations for PP applications range from 0.1 - 0.5%, for PE applications from 0.1% to 0.4%; the lower level of these recommendations being together with the use of a HALS type light stabilizer.

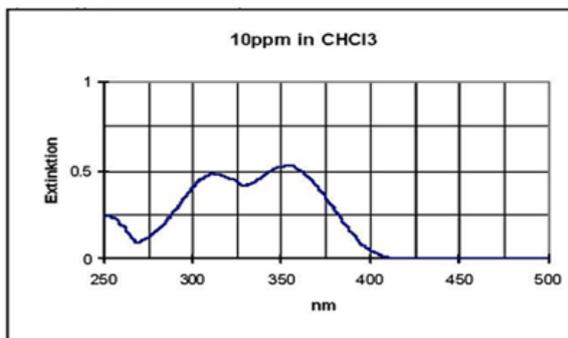
Polyester resins: The recommended levels for normal polyester resins range from 0.2% to 0.3%, while for chlorinated, flame retardant polyester resins the recommendation is 0.5%.

Lacquers and coatings: The level of Uvistab 326 needed to obtain an appropriate screening effect depends on the thickness of the dry coating and should be determined for each application. The general recommendations are:

Polyester type lacquers: 0.25% - 0.3% (200-300 dry film)

Nitrocellulose lacquers: 0.5% - 1.0% (60-120 dry film thickness)

Absorption Spectrum (10 mg/l, Chloroform)



Packaging

20kg fiber drum.

Handling & Safety

In accordance to good industrial practices, handle with care and avoid unnecessary contact. Avoid continuous or repetitive exposure. Use only with adequate ventilation. Prevent contamination of the environment. Avoid dust formation and ignition sources. For more detailed information please refer to the material safety data sheet.