

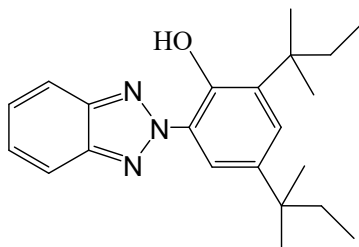
Tiangang® UV-328

High Efficiency Benzotriazole UV Absorber

Chemical name 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol

CAS number 25973-55-1

Structure



Molecular Weight 351.5 g/mol

Description

Tiangang® UV-328 is a highly efficient UV absorber for a variety of plastics and other organic substrates, including polyolefins, and most engineering plastics, as well as PVC, PMMA, PU, PET, POM, polyesters, and various elastomers, and adhesives. Tiangang UV-328 features strong UV absorption, low initial color, excellent compatibility, and moderately low volatility. When added to the substrates, it protects the substrate from UV degradation, preserving the original appearance and physical integrity of molded articles, films, sheets, and fibers during outdoor use.

Dosage level of Tiangang® UV-328 is between 0.10 and 1.0%, depending on substrate and performance requirements. When used in combination with Tiangang® series of Hindered Amine Light Stabilizers (HALS), synergistic performance is often observed.

Typical properties

	Appearance	Melting range °C	Volatility 2% weight loss, °C	Flash point °C
Tiangang® UV-328	Slightly yellow powder	80 ~ 88	202	229

Solubility @ 20°C (g/100 ml solvent)

	Acetone	Chloroform	Cyclohexane	Ethyl acetate	n-Hexane	Methanol	Water
Tiangang® UV-328	6	44	15	16	16	0.4	< 0.01

Safety & handling

Tiangang® UV-328	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.
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