

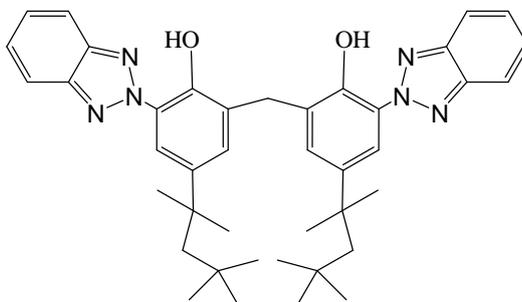
# Tiangang® UV-360

## Very Low Volatile Benzotriazole UV Absorber

**Chemical name** 2,2'-methylenebis(6-(2H-benzotriazol-2-yl)-4-1,1,3,3-tetramethylbutyl)phenol)

**CAS number** 103597-45-1

**Structure**



**Molecular Weight** 659 g/mol

**Description** Tiangang® UV-360 is a benzotriazole UV absorber, particularly suitable for complex moldings, fibers, sheets, twin wall sheets, thin films, adhesive layers and laminated or co-extruded semi-finished parts, where high loads, low volatility and good compatibility are required to achieve high UV-screen performance and minimize sublimation through vents and prevention of deposits on molds, chill-rolls or calibrators.

Its applications include acrylic resins, polyalkylene terephthalates, polycarbonates, modified polyphenylene ether or sulfide compounds, polyamides, polyacetals, polyolefins, styrenics, elastomers and high performance plastics.

### Typical properties

	Appearance	Melting range °C	Volatility 2% weight loss, °C	Flash point °C
Tiangang® UV-360	Slightly yellow powder	195	350	> 200

### Solubility @ 20°C (g/100 ml solvent)

	Acetone	Chloroform	Ethanol	Ethyl acetate	n-Hexane	Toluene	Water
Tiangang® UV-360	0.01	10	0.01	0.01	0.01	3.4	< 0.001

### Safety & handling

Tiangang® UV-360	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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