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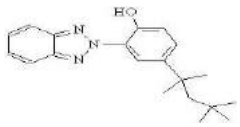
# UV 329 / Tinuvin 329

**Chemical Name:** 2-(2'-hydroxy-5'-(1,1,3,3-tetramethylbutyl)phenyl)benzotriazole

| | |
|---|---|
| Formula | C20H25N30 |
| Molecular Weight | 323 |
| CAS# | 3147-75-9 |



**Physical Properties:**

| | | |
|---|---|---|
| Appearance | | slightly yellow powder |
| Melting point | | 103-105℃ |
| Flashpoint | | > 150°C |
| Solubility（20℃） | acetone | 9 |
| | benzene | 32 |
| | chloroform | 37 |
| | cyclohexane | 15 |
| | ethyl acetate | 15 |
| | n-hexane | 6 |
| | methanol | 0.6 |
| | water | < 0.01 |

**Applications:**

>Hydroxyphenyl-benzotriazole UVA with excellent spectral coverage in the UV region; Good photopermanence; Improves exterior durability of ambient and low temperature cured coatings

>UV 329 exhibits strong absorbance in the 300–400 nm region and minimal absorbance in the visible region (> 400 nm) of the spectrum.

>Protect variety of polymeric systems, particularly in polyesters, polyvinyl chlorides, styrenics, acrylics, polycarbonates, and polyvinyl butyral during outdoor weathering.Typical end use applications include molded items, extruded sheets, glazing materials for window lighting, signs, marine, and auto applications.

>UV 329 can be used alone or in combination with other additives(HALS, antioxidants)

>Typical use levels range between 1.0 and 3.0%, depending on the substrate and performance requirements of the final applications.

**Handing and safety:** >Not intended for use in applications that come in contact with food or in

products which may come in contact with mucous membranes or abraded skin or be implanted into the body.

>For additional handing and toxicological information, please consult us for **Maternal Safety Date Sheet**

**Package:** 25kg per fiber drum, 9*3 layer 27drum per pallet ,or as required