

YISTAB[®] UV-328

Technical Data Sheet

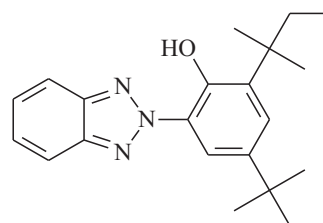
Introduction

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

$C_{22}H_{29}N_3O$

Molecular weight: 352

CAS NO. : 25973-55-1



Physical

Appearance	Yellowish crystalline powder
Melting Point, °C	79-87
Flash Point, °C	229
Density, g/ml (25°C)	1.17
Ash, %	≤0.1

Solubility (g/100g solvent, 25°C)

Water: <0.1	Ethyl acetate: 20
Methyl ether: 24	Butyl acetate: 28

TGA (°C, % mass loss)

Weight loss, %	5	10	25
Temperature, °C	233	244	286

Applications

YISTAB[®] UV - 328 is an excellent UV absorber, it can effectively absorb 270-380nm wavelength of ultraviolet light, absorption peaks are 306nm and 347nm, light stability effect is similar with UV-327. It's in good compatibility, low volatility, resistant to washing and not easy to coloring when use with polymer resins.

It's mainly used in polyethylene, polypropylene, polystyrene, polycarbonate, soft / hard polyvinyl chloride, polyester, ABS, unsaturated resin, acrylic resin, thermoplastic polyurethane. It's recommended to use this product for automotive coatings, industrial coatings, wood paint.

The combine use of YISTAB[®] UV-328 and hindered amine light stabilizer will significantly improve the weatherability of coatings, provides more protections such as inhibiting cracking, blistering, delamination and discoloration.