

YISTAB[®] UV-234

Technical Data Sheet

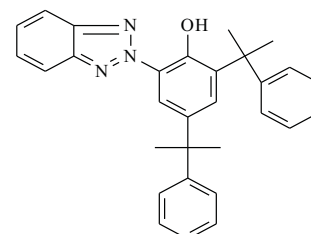
Introduction

2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl) phenol

$C_{30}H_{29}N_3O$

Molecular weight: 447.58

CAS NO.: 70321-86-7



Physical

| | |
|-------------------------|------------------------------------|
| Appearance | Off-White Powder |
| Assay (GC) | 99% min |
| Melting Point | 137-141°C |
| Volatile | 0.3% max |
| Ash | 0.05% max |
| Flash Point | > 150°C |
| Specific Gravity (20°C) | 1.22 g/ml |
| Bulk Density | 0.55-0.65g/cm ³ |
| Transmittance | 460nm 97.0% min 500nm 98.0% min |

Solubility(20°C)% ,w/w

Acetone 2; Chloroform 35; Cyclohexane 5; Ethanol 0.3; Ethyl Acetate 4;
Methanol < 0.1; Methylene Chloride 34; Toluene 20; Water < 0.01

Applications

YISTAB[®] 234 is highly effective for polymers usually processed at high temperatures such as polycarbonate, polyesters, polyacetal, polyamides, polyphenylene sulfide, ABS compounding, polyphenylene oxide, aromatic copolymers, thermoplastic polyurethane and polyurethane fibers.

Features / Benefits: YISTAB[®] 234 features low volatility, exceptional light absorbing characteristics and good compatibility in various substrates.

Dosage: Between 0.15-0.6%