

# Ultraviolet absorbent Pamsorb-P

**Chemical name:** 2-(2'-Hydroxy-5'-methylphenyl)benzotriazole

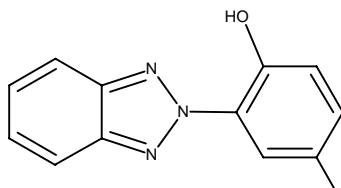
**Equivalent:** Tinuvin P (Ciba SC) /Lowilite 55 (Chemtura)/ Uvinul-3033P (BASF)/Cyasorb UV-5365

**Molecular formula:** C<sub>13</sub>H<sub>11</sub>N<sub>3</sub>O

**Molecular weight:** 225.25

**CAS No.:** 2440-22-4

**Structural formula:**



## PHYSICAL PROPERTIES

Appearance: Slightly yellow powders

Melting range: 129 ~ 133 °C

Solubility (g/100g solvent), @20 °C

*Water: Insoluble*

*Ethanol: 0.3*

*Toluene: 0.2*

Flash point: Not available

Specific gravity (g/cm<sup>3</sup>), @20 °C: Not available

*Benzene: 6.9*

*Styrene: 7.2*

*Acetic ether : 3.5*

## SPECIFICATIONS

Appearance: Slightly yellow powders

Assay: 99.0% min

Melting point: 128.0 ~ 132.0 °C

Ash: 0.1% max

Volatile: 0.5% max

Transmittance (440nm): 97.0% min

Transmittance (500nm): 98.0% min

## APPLICATIONS

Pamsorb-P is high-efficient UV absorbent to absorb UV between 270 ~ 340 nm, used in polystyrene, polyester, PC, Perspex, PE, ABS resin, epoxy resin and cellulose resin. It almost absorbs no visible light, especially capable for colorless transparent and pale colored products. It can be used in plastic products for food.

## PACKING

25kg/bag