

# Ultraviolet absorbent Pamsorb-327

**Chemical name:** 2-(2'-Hydroxy-3',5'-di-tert-butylphenyl)-5-chlorobenzotriazole

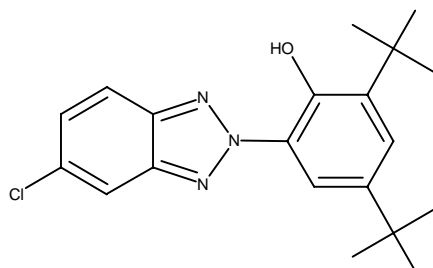
**Equivalent:** Tinuvin 327 (Ciba SC) /Lowilite 27 (Chemtura)/ Uvinul-3027 (BASF)

**Molecular formula:** C<sub>20</sub>H<sub>24</sub>N<sub>3</sub>OCl

**Molecular weight:** 357.9

**CAS No.:** 3864-99-1

**Structural formula:**



## PHYSICAL PROPERTIES

Appearance: Slightly yellow powders

Melting range: 154 ~ 158 °C

Solubility (g/100g solvent), @20 °C

*Water: Insoluble*

*Methanol: 0.1*

*Benzene: 16.1*

Flash point: 234 °C

Specific gravity (g/cm<sup>3</sup>), @20 °C: 1.2 ~ 1.3

*Acetone: 1.4*

*Cyclohexane: 6.8*

*Ethanol: 0.1*

## SPECIFICATIONS

Appearance: Slightly yellow powders

Assay: 99.0% min

Melting point: 151.0 °C

Ash: 0.1% max

Volatile: 0.5% max

Transmittance (440nm): 97.0% min

Transmittance (500nm): 98.0% min

## APPLICATIONS

Pamsorb-327 strongly absorb ultra-violet ray of 300 ~ 400nm, It has a nice stability, low volatility, and good solubility for polymer.

## PACKING

25kg/bag