

# Ultraviolet absorbent Pamsorb-234

**Chemical name:** 2-(2H-benzotriazol-2-yl)-4, 6-bis (1-methyl-1-phenylethyl) phenol

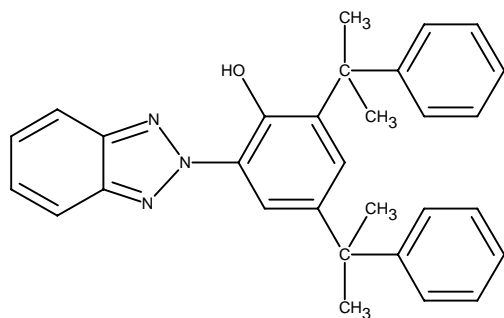
**Equivalent:** Tinuvin 234 (Ciba SC)/Lowilite 234 (Chemtura)

**Molecular formula:** C<sub>30</sub>H<sub>29</sub>N<sub>3</sub>O

**Molecular weight:** 447.6

**CAS No.:** 70321-86-7

**Structural formula:**



## SPECIFICATIONS

Appearance: Slightly yellow powders

Melting point: 137.0 ~ 141.0 °C

Volatile: 0.5% max

Ash: 0.05% max

Transmittance (460nm): 97.0% min

Transmittance (500nm): 98.0% min

Assay: 99.0% min

## APPLICATIONS

Pamsorb-234 is a high molecular weight ultraviolet light absorber. It exhibits strong absorbance in the 300-400 nm regions and minimal absorbance in the visible (above 400nm) of the spectrum.

Pamsorb-234 is particularly suitable for applications characterized by high surface area, such as films and fiber. It protects organic polymers as well as pigments from UV light. Pamsorb-234 has world wide food contract approvals in most polymers and is especially suitable for packaging applications for food, consumer care products and pharmaceuticals. Pamsorb-234 can be used in combination with HALS or antioxidant.

## PACKING

20kg/bag