

Ultraviolet absorbent Pamsorb-531

Chemical name: 2-Hydroxy-4-n-octoxybenzophenone

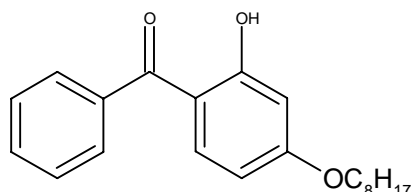
Equivalent: Chimassorb 81 (Ciba SC) /Cyasorb UV-531 (Cytec)/Lowilite 22 (Chemtura)/Uvinul-3008 (BASF)/BP-12

Molecular formula: C₂₁H₂₆O₃

Molecular weight: 326.43

CAS No.: 1843-05-6

Structural formula:



PHYSICAL PROPERTIES

Appearance: Yellow powder

Melting range: 47 ~ 50 °C

Solubility (g/100g solvent), @20 °C

Water: Insoluble

Benzene: 72.7

Flash point: Not available

Specific gravity (g/cm³), @20 °C: 1.16

Acetone: 74.3

Ethanol : 2.6

SPECIFICATIONS

Appearance: Yellowish crystal powders

Assay: 99.0% min

Melting point: 47.0 ~ 49.0 °C

Ash: 0.1% max

Volatile: 0.5% max

Transmittance (425nm): 79.0% min

Transmittance (500nm): 89.0% min

APPLICATIONS

Pamsorb-531 is a benzophenone light stabilizer, capable of absorbing the UV radiation of 240 ~ 340nm wavelength. It is of light color, non-toxicity, good compatibility, small mobility and easy processing. It is widely applied to PE, PVC, PP, PS, PC organic glass, PP fiber, ethylene-vinyl acetate etc. Moreover, it has very good light-stability on drying phenol aldehyde, varnish of alcohol, polyurethane, acrylate, expoxnamee, etc. Its dosage is recommended to be 0.1% ~ 0.5%.

PACKING

25kg/bag