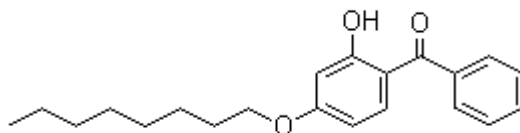


Grandsorb 531

Properties and Characteristics



Grandsorb 531 protects polymers from UV radiation, helping to preserve the original appearance and physical integrity of molded articles, films, sheets, and fibers.

Specifications

Property	Value
CAS Number	1843-05-6
Appearance	Light yellow powder or flake
Other Names	2-Hydroxy-4-n-octyloxybenzophenone
Molecular Formula	C ₂₁ H ₂₆ O ₃
Molecular Weight	326.43
Specific Gravity (20°C)	1.16 g/cm ³
Solubility (20°C) % w/w	Acetone 43; Ethyl acetate 44; Ethanol 3.5; n-Hexane 12; Toluene > 50; Water < 0.01
Assay	99% min
Melting point	47-49°C
Volatile	0.5% max
Molten product	Clear
Ash	0.1% max
Loss on drying	0.5% max
Transmittance	450nm: 95% min
(5g/50ml toluene)	500nm: 90% min

Applications

Grandsorb 531 is an effective light stabilizer for organic substrates and a variety of plastics, including but not limited to polycarbonate, LDPE, HDPE, LLDPE, PP, PE, PC, EPDM, PVC, PS, ABS, and in combination with UV-119 in PO.

Packaging

25kg or 50kg fiber drum, or as required.

Dosage

Between 0.1-1.0%.

Storage and Transport

Keep container tightly closed. Avoid ingestion and inhalation.