

Antioxidant 1135 Product Instruction Manual

Product Description:

Product Name: β -(3,5-二叔丁基-4-羟基苯基)丙酸异辛醇酯

English name: Octyl-3,5-di-tert-butyl-4-hydroxy-hydrocinnamate

Molecular formula: $C_{25}H_{42}O_3$

Molecular Weight: 390.60

CASNo.:125643-61-0

Product Property:

This product is a colorless to yellow liquid with a melting point $<10^{\circ}\text{C}$ and a density of $0.95\text{--}1.0\text{ g/cm}^3$ (at 20°C). It is insoluble in water but soluble in most organic solvents, with a solubility $>50\%$ in polyester polyols and $\leq 10\%$ in polyether polyols. The product exhibits low volatility, low viscosity, non-contaminating properties, and is non-toxic.

Product use :

Antioxidant 1135 is a liquid hindered phenolic antioxidant with excellent antioxidant activity, which can be used alone or in combination with other stabilizers. It is applicable to various polymer systems including PVC, ABS, polyethylene, rubber (styrene-butadiene rubber, polybutadiene rubber, nitrile rubber), synthetic fibers, and wax. At room temperature, it exists as a liquid hindered phenol, making it particularly suitable for butadiene-based polymers. It effectively prevents yellowing during storage, avoids core burning during foaming, and inhibits the oxidation of polyols to peroxides during storage. It serves as an effective stabilizer offering superior long-term thermal stability and resistance to discoloration. When used in combination with phosphite esters, it exhibits synergistic effects.

Product Shelf Life

The shelf life is 24 months from the date of manufacture.

Product packaging

Antioxidant 1135 is packaged in zinc-coated iron drums with a net weight of 180 kg or epoxy-coated steel drums; in PE drums with a net weight of 25 kg; or transported by tankers.

QINGDAO GON PLASTICSCO., LTD