

# Antioxidant Plaox-1076

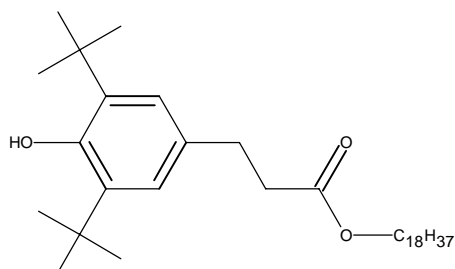
**Chemical name:** n-Octadecyl-  $\beta$  -(4-hydroxy-3,5-di-tert-butyl-phenyl )-propionate

**Molecular formula:** C<sub>35</sub>H<sub>62</sub>O<sub>3</sub>

**Molecular weight:** 531

**CAS No.:** 2082-79-3

**Structural formula:**



## PHYSICAL PROPERTIES

Appearance: White crystal powder or granules

Flash point: 273 °C

Melting range: 50 ~ 55 °C

Solubility (g/100g solvent), @20 °C

Acetone 19

Ethylacetate 38

Benzene 57

n-Hexane 32

Chloroform 57

Methanol 0.6

Cyclohexane 40

Toluene 50

Ethanol 1.5

Water <0.01

Weight loss (TGA, in air at 20°C /min)

Temp.(°C) at 1 % weight loss 230

Temp (°C) at 10 % weight loss 290

## SPECIFICATIONS

Appearance: White crystal powder or granules

Transmittance (425nm): 98.0% min

Melting point: 50.0 ~ 55.0 °C

Transmittance (500nm): 99.0% min

Volatile: 0.5% max

Clarity test: Clear

Ash: 0.05% max

Assay: 98.0% min

## APPLICATIONS

Plaox-1076, with good synergistic of Plaox-168, Plaox-DLTDP, can retard heated degradation and oxidative degradation of polymer substances during processing and in end application. It can be widely used for PE, PP, POM, ABS resin and other compound resin, compound rubber and petrochemical products. The dosage is recommended to be 0.1 ~ 0.5 phr.

## PACKING

25kg/bag