

Antioxidant Plaox-DSTDP

Chemical name: DiStearyl ThioDiPropionate

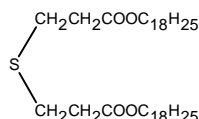
Equivalent: Irganox PS802 (Ciba SC)/ Lowinox DSTDP (Chemtura)/ Cyanox STDP (Cytec)

Molecular formula: C₄₂H₈₂O₄S

Molecular weight: 683

CAS No.: 693-36-7

Structural formula:



PHYSICAL PROPERTIES

Appearance: White powders

Melting range: 63.5 ~ 68.5 °C

Solubility (g/100g solvent), @20 °C

Water: Insoluble

Toluene: Soluble

Chloroform: Soluble

Flash point: 257 °C

Specific gravity (g/cm³), @20 °C: 1.027

MEK: Soluble

Alcohols: Insoluble

Hexane: Soluble

SPECIFICATIONS

Appearance: White powders

Melting point: 63.5 ~ 68.5 °C

Ash: 0.01% max

Loss on drying: 0.05% max

Sapon value (mg KOH/g): 160 ~ 170

Acid value (mg KOH/g): 0.05 max

Color (Pt-Co), melton: 60 max

APPLICATIONS

Plaox-DSTDP is a thioester auxiliary antioxidant with good performance and with higher antioxidant effect than Plaox-DLTDP. It is of low volatilization, low heat loss in processing, non-polluting and non-discoloring. It has well synergistic of antioxidant Plaox-1010, Plaox-1076. Plaox-DSTDP is widely used for PE, PP, PA, ABS resin, etc. The dosage is recommended to be 0.1 ~1.0 phr.

PACKING

25kg/bag