

Antioxidant Plaox-168

Chemical name: Tri-(2, 4-di-tert-butyl-phenyl)-phosphite

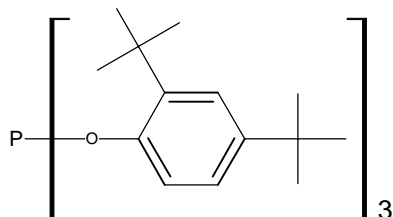
Equivalent: Irgafos 168 (Ciba SC)/ Alkanox 240 (Chemtura)

Molecular formula: C₄₂H₆₃O₃P

Molecular weight: 646.93

CAS No.: 31570-04-4

Structural formula:



PHYSICAL PROPERTIES

Appearance: White crystalline powders or granules

Flash point: 225 °C

Melting range: 182 ~ 187 °C

Specific gravity (g/cm³), @20 °C: 1.03

Solubility (g/100g solvent), @20 °C

Water: 0.01

Acetone: 1

Methanol: 0.01

N-Hexane: 11

SPECIFICATIONS

Appearance: White crystalline powders or granules

Antihydrolysis time(h) @90 °C: 14 min

Clarity test: Clear

Transmittance (425nm): 98.0% min

Melting point: 183.0 ~ 187.0 °C

Transmittance (500nm): 98.0% min

Volatile: 0.3% max

Free 2, 4-di-tert-butyl-phenol: 0.2% max

Acid value (mg KOH/g): 0.3%max

Assay: 99.0% min

APPLICATIONS

Plaox-168 is a kind of phosphite ester antioxidant. It has a good synergistic with other antioxidants, for example, Plaox-1010, and Plaox-1076. It is widely used for PE, PP, PC resin, etc. The dosage is recommended to be 0.1 ~ 1.0 phr. Plaox-168 can be used in food contact plastics.

PACKING

25kg/bag