

Flame retardant Plamtar-BDP

Chemical name: Bisphenol A bis-diphenylphosphate

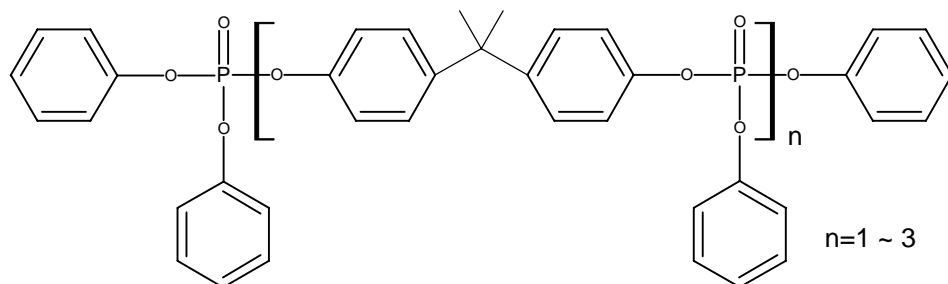
Equivalent: Reofos BAPP (Chemtura) / Fyrolflex-BDP (Supresta)/ NCENDX P-30 (Albemarle)

Molecular formula: C₃₉H₃₄ O₈ P₂ (whereas n=1)

Molecular weight: 692.6 (whereas n=1)

CAS No.: 181028-79-5 & 5945-33-5

Structural formula:



PHYSICAL PROPERTIES

Appearance: Colorless or slight yellow clear liquid Specific gravity (g/cm³), @20 °C: 1.26

Boiling point: 300 °C min

Solubility (g/100g solvent), @20 °C

Water: Insoluble

Toluene: Complete

Methanol: Complete

MEK: Complete

SPECIFICATIONS

Appearance: Colorless or slight yellow clear liquid Acid value (mg KOH/g): 0.1 max

n=1: 85% min

Color (Pt-Co): 80 max

Phosphorus content: 8.9 % min

Moisture: 0.01% max

Viscosity (cps), @20 °C: 5000 min

APPLICATIONS

Plamtar-BDP is an oligomeric phosphate ester flame retardant plasticizer, is designed for use in engineered resin applications such as polyphenylene oxide alloys and PC/ABS. Because of its low volatility and high heat stability, this nonhalogen flame retardant can tolerate high temperature processing required of many engineered resins. It has the advantage over other bisphosphates with its higher thermal and hydrolytic stability. This allows for a greater range of applications in thermoplastic resins.

PACKING

250kg/galvanized iron drum