

Secondary Diphosphite Antioxidant for polymers

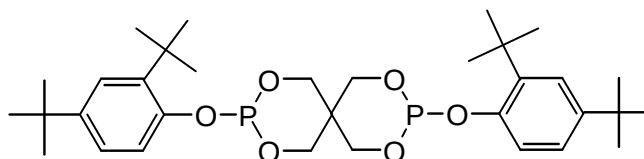
ANTI-OXIDANT

1. General

DEOX 604 is a high performance solid organophosphite antioxidant for polymers. It is one of the most effective phosphites in protecting polymers during processing and in lifetime. In addition, DEOX 604 acts in improving the discoloration of polymer articles exposed to Nitrogen Oxides and in enhancing the UV resistance.

2. Composition

Structure :



Chemical Name : Bis(2,4-di-tert-butylphenyl)pentaerythritol diphosphite
CAS No . : 26741-53-7
Molecular Formula : $C_{33}H_{50}O_6P_2$
Molecular weight : 604.4

3. Physical Data

Appearance : White to off-white powder
Odor : Odorless
Softening range : 160-180 °C
Specific gravity : 1.12 @20 °C
Bulk density : 0.43 g/ml @20 °C

4. Solubility

(g in 100ml solvent @25 °C)

Toluene : < 2
THF : < 5
CH₂Cl₂ : < 5
Hexane : < 5
MeOH : 7
Acetone : 20

5. Specification

Appearance : White to off-white powder
Assay : 95% min.
Melting Point : 160 °C min
Acid No.(mg KOH/g) : 2.0 max.
Free 2,4-DTBP content: 2.0 max.
Particle size D50 : 45 µm ± 10 µm
D90 : 120 µm max.
Contamination by visual : Free

6. Packaging

25 kg net/ Carton box