

LeNOX<sup>®</sup> – Antioxidant 168

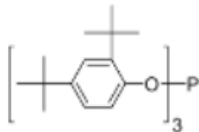
**Chemical Name:** Tris(2,4-di-t-butylphenyl)phosphite

**Molecular formula:** C<sub>42</sub>H<sub>63</sub>O<sub>3</sub>P

**Molecular Weight:** 646

**CAS NO.:** 31570-04-4

**Chemical Structure Formula:**



**Introduction :**

LeNox<sup>®</sup> – Antioxidant 168 is a hydrolytically stable phosphite processing stabilizer, which can react with hydroperoxides of polymers preventing process induced degradation and extending the performance of primary antioxidants. LeNox<sup>®</sup> – Antioxidant 168 is most demanding antioxidant in India & other countries.

**Physical Properties :**

Appearance	White to off-white powder
Melting Range	183-187°C
Purity	≥99%
Acid value (mg KOH/g)	≤0.3
Light Transmittance	
425nm	≥98%
500nm	≥98%
Volatiles	≤0.3%
Hydrolyze time (h)	≥14
2,4-t-butyl-phenol (%)	≤0.2

**Solubility: (At 20°Cg/100ml solvent) :**

Water	Insoluble
Benzene	34
Acetone	1
Ethyl Acetate	4

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**Applications:**

LeNOX<sup>®</sup> – Antioxidant 168 is a kind of high-effective solid phosphite ester secondary [antioxidant](#), which is superior to other phosphite ester in the effective protection of polymers' color. LeNOX<sup>®</sup> – Antioxidant 168 often blended with phenolic principal antioxidant ( [LeNOX<sup>®</sup> 1010](#)) to prepare composite antioxidant which improves the thermo-stability of polymer processing, thus making it widely applied in PE, PP, PS, PA, PC, ABS and many other polymer materials. In India LeNOX<sup>®</sup> – Antioxidant 168 use in masterbatch and polymer compounding.

**Package:**

Net 25KGS/two-layer PE bag in carton/drum, or as required.