

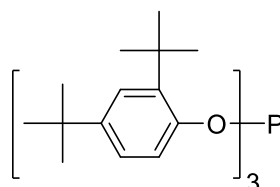
Technical Data Sheet

Antioxidant 168 (AO)

Chemical Name: Tris(2,4-ditert-butylphenyl)phosphite

CAS NO.: 31570-04-4

Structure:



Features

Antioxidant 168 is an excellent phosphite ester antioxidant with low toxicity, low volatility and high thermal stability. This product has good heat resistance and durability, and can effectively prevent the oxidation and yellowing of plastics in the process of processing.

Applications

The product is suitable for polyolefin, PC、TPU、ABS、PMMA、POM、PA、PET、PS, and also suitable for elastomers(Butyl rubber、SBR、SEBS、EPN、EPDM) materials and products. It has good synergistic effect with hindered amine antioxidant 1010 and 1076, and can improve the stability of polymer material during thermal processing.

Typical properties

Appearance	White powder or granules
Purity	≥99%
Light transmittance	≥98% (425nm) ≥98% (500nm)
Solubility	Clear
Melting point	183-187°C
Acid value	≤0.3mgKOH/g
2,4-Di-tert-butylphenol	≤0.2%
Loss on drying	≤0.3%

Package & Storage

Package: 25kg carton inner with plastic bag or as customer's requirement.

Storage: Keep container tightly closed in a dry and well-ventilated place.

Safety

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling.

All safety information is provided in the Safety Data Sheet.