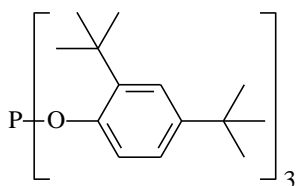


**Product Name** **RIANOX 168 Phosphite Antioxidant**

An organo-phosphite antioxidant that exhibits excellent hydrolytic stability.

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

**CAS No.: [31570-04-4]**



**Typical Properties**

Molecular Weight	647
Appearance	White powder
Specific Gravity @20°C	1.03g/mL
Melting Range, °C	183-187

**Solubility@20 °C (g/100g solvent)**

Acetone	1	Cyclohexane	10	Hexane	11
Ethanol	0.1	Methanol	<0.01	Ethyl acetate	4
Toluene	30	Water	<0.01		

**Specifications**

Appearance:	White crystal powder
Melting Range:	183.0-187.0°C
Volatiles:	≤0.30%
2,4-DTBP Content:	≤0.20%
Acid No.(mgKOH/g):	≤0.30
Hydrolyzing Time(95±2°C):	≥5 hr
Clarity of solution:	Clear
Transmittance:	
@425nm	≥98.0%
@500nm	≥98.0%
Assay(HPLC):	≥99.0%

**RIANOX 168** effectively reduces peroxide induced oxidative degradation of most polymeric substances during processing. The low volatility of **RIANOX 168** allows for use at the high temperatures required for processing thermoplastic polymers. **RIANOX 168** is suitable for use in a multitude of polymers such as polyolefins, polycarbonate, ABS and polyesters.

**Handling & Safety**

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials. Unless stated, proper storage will permit usage of the product for 12 months from the manufacture date. For additional handling and toxicological information, consult the Rianlon Corporation Safety Data Sheet.