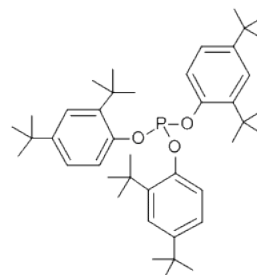


GC THANOX 168

Tris(2,4-di-tert-butylphenyl) phosphite

Chemical Formula $C_{42}H_{63}O_3P$
Molecular Weight 646.92 g/mol
CAS Registry Number 31570-04-4



GC THANOX 168 is an organophosphate antioxidant that exhibits excellent hydrolytic stability. **GC THANOX 168** effectively reduces oxidative degradation of most polymeric substances during processing. **GC THANOX 168** has a low volatility which allows for use at high temperatures that are required for processing thermoplastic polymers. **GC THANOX 168** is suitable for use in a multitude of polymers such as polyolefins, polycarbonate, ABS and polyesters.

PHYSICAL-CHEMICAL PROPERTIES

Appearance	White powder			
Assay (HPLC), %	Min 99.0			
Density, g/cm ³	1.00			
Melting point, °C	183-187			
2,4-DTBP, %	Max 0.2			
Volatiles, %	Max 0.3			
Solubility, @ 20°C in 100g solvent	Methanol:	Insoluble		
	Water:	Insoluble		
Transmittance, 5g/50 ml Toluene	@425 nm	≥ 98.0 %		
	@500 nm	≥ 98.0 %		
TGA, 10 mg @ 10°C/min under N ₂	Weight Loss	5 %	10 %	25 %
	Temperature	239 °C	250 °C	272 °C

HANDLING AND STORAGE: The processing and use of GC THANOX 168 requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.
GC THANOX 168 has to be stored in tightly sealed original container in a cool and well-ventilated area, away from direct sunlight.

PACKAGING: Standard packaging size of GC THANOX 168 is in 25 Kg in plastic bags.

Disclaimer:

Information contained in this document is provided to the best of our knowledge and is considered true as per revision date. We do not accept any liability for loss and damage that may occur from the improper use of this information and for the use against the safety legal requirements and patent rights. This specification does not release the customer from the obligation to check the product as to its suitability for intended area of usage.