

VENLOAOX-168

PRODUCT IDENTIFICATION

- **Chemical Name:** Tris-(2,4-di-tert-butyl-phenyl)-phosphite
- **Physical Form:** White Powder
- **CAS Number:** 31570-04-4

VENLOAOX-168 is a kind of high-effective solid phosphite ester antioxidant, which is superior to other phosphite ester in the effective protection of polymers' color. As a secondary antioxidant, VENLOAOX-168 reacts during processing with hydroperoxides formed by autoxidation of polymers preventing process induced degradation and extending the performance of primary antioxidants.

SPECIFICATION

Properties	Test Methods	Units	Values
Purity	-	%	Min. 99
Melting Point	ASTM D127-08	°C	183-187
Volatilizing	-	%	Max. 0.30
Content of 2,4-di-tert-butyl-phenyl, %	-	%	Max.0.20
Acidity	ASTM D-7795	mg KOH/g	Max. 0.30
Transmittance	425 nm	%	Min. 98
	500 nm	%	Min. 98
Clarify of Solution	-	-	Clear Solution
Solubility g/100 g solvent °C			
Water	-	%	< 0.01
Acetone	-	%	1
Chloroform	-	%	36
Cyclohexane	-	%	16
Ethanol	-	%	0.1
Ethyl Acetate	-	%	4
n-Hexane	-	%	11
Methanol	-	%	< 0.01
Dichloromethane	-	%	36
Toluene	-	%	30

APPLICATIONS

● VENLOAOX-168 application range of VENLOAOX-168 synergistically combined with other antioxidants comprises polyolefins and olefin-copolymers such as polyethylene (HDPE, LLDPE), polypropylene, polybutene and ethylene vinyl acetate copolymers as well as polycarbonates and polyamides. The blends can also be used in polyesters, styrene homo- and copolymers, adhesives and natural and synthetic tackifier resins, elastomers such as BR, SEBS, SBS, and other organic substrates.

PACKAGING & STORAGE

- Packaging: 1 pallet is 600 kg & 700 kg.
- VENLOAOX-168 should be stored in a manner that avoids direct exposure to sunlight and heat ($T < 30^{\circ}\text{C}$). This compound should be used within 12 months after its production date.

IMPORTANT NOTICE

Please read the Material Safety Data Sheet (MSDS) carefully before using this product.

