

BOGIOX 168

PRODUCT IDENTIFICATION

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

Physical Form: White Powder

CAS Number: 31570-04-4

BOGIOX 168 is a highly effective solid phosphite ester antioxidant with excellent protection of polymer color. As a secondary antioxidant, it reacts with hydroperoxides formed during polymer autoxidation, helping prevent 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
Volatile Content	-	%	Max. 0.30
2,4-di-tert-butylphenyl Content	-	%	Max. 0.20
Acidity	ASTM D-7795	mg KOH/g	Max. 0.30
Transmittance	425 nm	%	Min. 98
	500 nm	%	Min. 98
Clarity of Solution	-	-	Clear Solution
Solubility (g/100 g solvent)			
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

- BOGIOX 168 is used synergistically with other antioxidants in polyolefins and olefin copolymers, including polyethylene (HDPE and LLDPE), polypropylene, polybutene and ethylene-vinyl acetate copolymers, as well as polycarbonates and polyamides. Blends may also be used in polyesters, styrene homo- and copolymers, adhesives, natural and synthetic tackifier resins, elastomers such as BR, SEBS and SBS, and other organic substrates.

PACKAGING & STORAGE

- Packaging: 1 pallet is 600 kg or 700 kg.
- Store away from direct sunlight and heat at temperatures below 30°C. Use within 12 months of the production date.

IMPORTANT NOTICE

Please read the product MSDS carefully before using this product.

