

PowerNox™ 636 Antioxidant

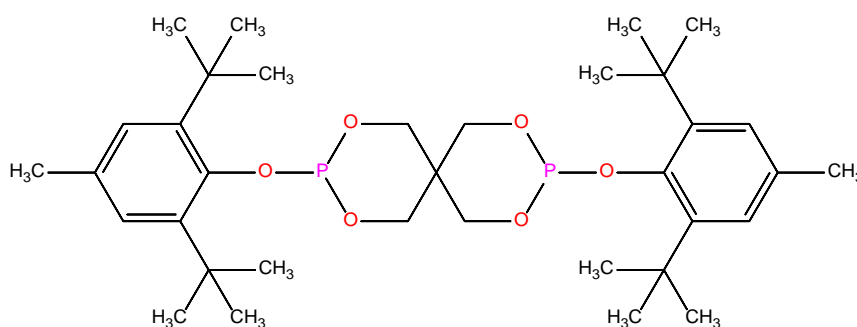
Introduction PowerNox™ 636 is a high-performance phosphite which provides marked process stability to polymers.

Chemical Name Bis(2,6-di-tert-butyl-4-methylphenyl)pentaerythritol diphosphite

CAS Number 80693-00-1

EINECS Number 410-290-4

Chemical Structure



Chemical Formula $C_{35}H_{54}O_6P_2$

Molecular Weight 633

Physical Properties

Appearance	White Powder
Melting Point (°C)	234-240
Thermal Stability [% ,TGA,10°C/min,Air 200ml /min]	10
Volatiles (%)	Max.0.5
Acid Value (mg KOH/g)	Max.1.0
Assay (%)	Min.98

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Solubility

Solubility [25°C]	% w/w
Water	<0.01
Acetone	0.4
Toluene	3.2
Methanol	<0.01
n-Hexane	0.2

Benefits & Applications

PowerNox™ 636 shows a marked synergistic effect when used with phenolic antioxidants.

PowerNox™ 636 is highly resistant to hydrolysis and heat, making it a great choice for applications involving high-temperature processing and a need to prevent discoloration.

PowerNox™ 636 effectively prevents thermal degradation in polymers, minimizing discoloration and maintaining stable melt flow rates during high-temperature processing.

Handling & Storage

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Protect skin. Avoid dust formation and ignition sources.

This product may be stored up to one year in a sealed container. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat or sunlight could reduce product life. Keep containers sealed when not in use.

For more detailed information please refer to the material safety data sheet.

Packing

PowerNox™ 636 is supplied in 20Kg Paper Bag, 20Kg PE Bag, 25Kg Carton Box, and 50Kg Fiber Drum.

Note

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to



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technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.