

PowerNox™ 2246

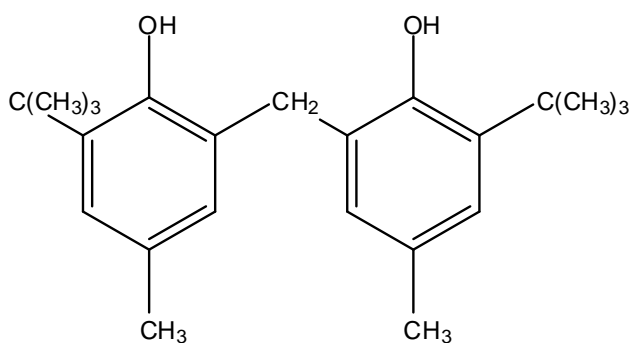
New Materials Creating New Performances

**Quality Products.
Dependable Service.**

CHEMICAL NAME

2, 2'-methylenebis(4-methyl-6-tertbutyl phenol)

CHEMICAL STRUCTURE



INTRODUCTION

PowerNox™ 2246 is one of the most widely used antioxidants for white, light colored and transparent vulcanates that are based on natural or synthetic rubbers. It can be used with any light-colored or colored product.

PHYSICAL PROPERTIES

CAS No.	119-47-1
EC No.	204-327-1
Formula	C ₂₃ H ₃₂ O ₂
Molecular Weight	341
Melting point(° C)	128-132
Volatile loss(%)	Max.0.3
Appearance	Pale cream to white powder
Ash Content(%)	Max.0.25%
Min. Purity	95%

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Solubility (20°C)	% w/w
Acetone	175
Chloroform	62
Ethanol	154
Ethyl acetate	134
n-Hexane	8
Methanol	1.7
Toluene	62
Water	<0.01

APPLICATIONS

PowerNox™ 2246 is added directly into the rubber product of choice to prevent polyphase deformation due to hot oxygen and UVA exposure. It can also be used to passivate metal salts. In the plastic industry, antioxidant 2246 can prevent thermal and light aging in materials such as chlorinated polyether, high impact polystyrene, ABS resin, polyformaldehyde, and cellulose resin. Used as a reducing agent, nylon whitener, and synthetic fiber in plastic industry; as materials for producing weedicide, bactericide and water stabilizer in pesticide industry.

HANDLING AND 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™ 2246 is supplied in 20kg cartons or paper bag.

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