

PowerSorb™ 1330

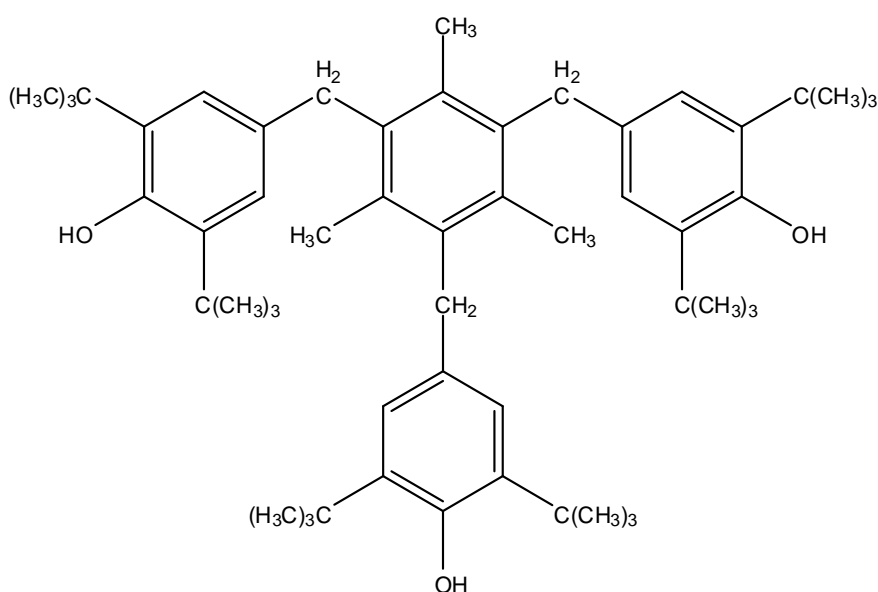
New Materials Creating New Performances

**Quality Products.
Dependable Service.**

CHEMICAL NAME

1,3,5-Trimethyl-2,4,6-tris(3,5-di-tert-butyl-4-hydroxybenzyl) benzene

CHEMICAL STRUCTURE



INTRODUCTION

PowerNox™ 1330 is a primary antioxidant for organic polymers. It is an antioxidant for PE and PP cable insulations and films.

PHYSICAL PROPERTIES

CAS No.	1709-70-2
EC No.	216-971-0
Formula	C ₅₄ H ₇₈ O ₃
Molecular Weight	775
Melting point(° C)	240-245

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Volatile loss(%)	Max.0.3
Color of solution 425nm (%)	Min.96
Color of solution 500nm (%)	Min.98
Appearance	White Crystalline Powder
Ash(%)	Max.0.1
Min. Purity	98%
Solubility (20°C)	% w/w
Acetone	23
Chloroform	28
Ethyl acetate	27
n-Hexane	1.7
Methanol	0.2
Toluene	36
Water	<0.01

APPLICATIONS

PowerNox™ 1330 exhibits high performance in controlling degradation of polyolefins.

PowerNox™ 1330 is not absorbed by filler in polyolefins.

PowerNox™ 1330 has high resistance to thermo-oxidative degradation.

PowerNox™ 1330 can be used as the light stable grades

– blends of PowerNox™ 1330 and HALS or combinations of HALS and UVA

PowerNox™ 1330 can be used without a metal deactivator.

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

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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™ 1330 is supplied in 25Kg PE Bag.

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