

PowerNox™ 1130 Phenolic Antioxidant

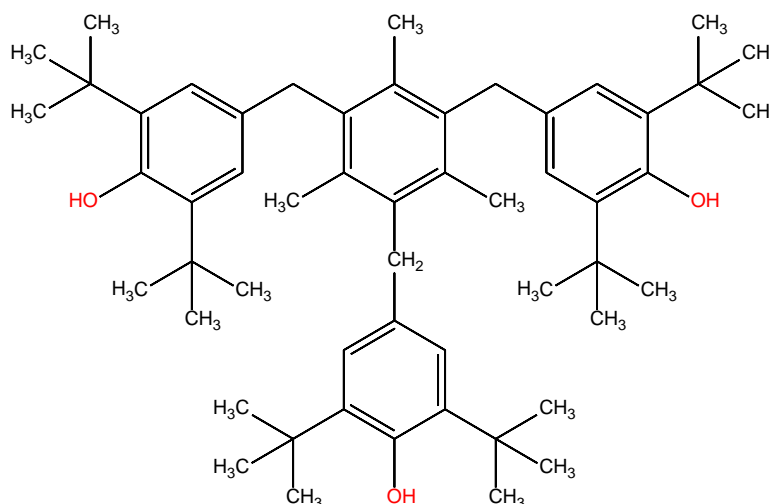
Introduction PowerNox™ 1130 is a primary antioxidant for organic polymers. It is an antioxidant for PE and PP cable insulations and films.

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

CAS Number 1709-70-2

EINECS Number 216-971-0

Chemical Structure



Chemical Formula $C_{54}H_{78}O_3$

Molecular Weight 775

Physical Properties

Appearance	White Crystalline Powder
Melting Point [°C]	240-245
Volatile loss (%)	Max.0.3
Color of solution 425nm (%)	Min.96
Color of solution 500nm (%)	Min.98
Ash (%)	Max.0.1
Purity (%)	Min.98

PowerNox™ 1130 Phenolic Antioxidant

Solubility

Solubility [20°C]	% w/w
Acetone	23
Chloroform	28
Ethyl acetate	27
n-Hexane	1.7
Methanol	0.2
Toluene	36
Water	<0.01

Benefits & 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 & 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™ 1330 is supplied in 25Kg PE Bag.

Note

All information in the leaflet is based on our present knowledge and



PowerNox™ 1130 Phenolic Antioxidant

experience. We reserve the right to make any changes according to 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.