

PowerNox™ B1412 Antioxidant

Introduction

PowerNox™ B1412 is a 1:2 blend of PowerNox 3114 and PowerNox 1680, offers excellent protection specifically in polyolefins.

Chemical Name

Blend of PowerNox 3114 and PowerNox 1680 at ratio of 1:2.

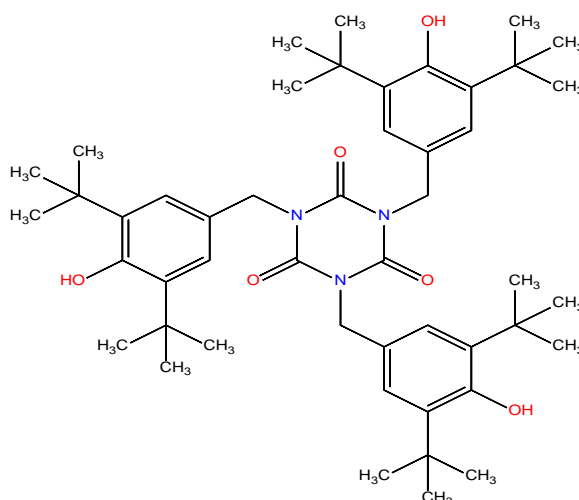
CAS Number

27676-62-6 + 31570-04-4

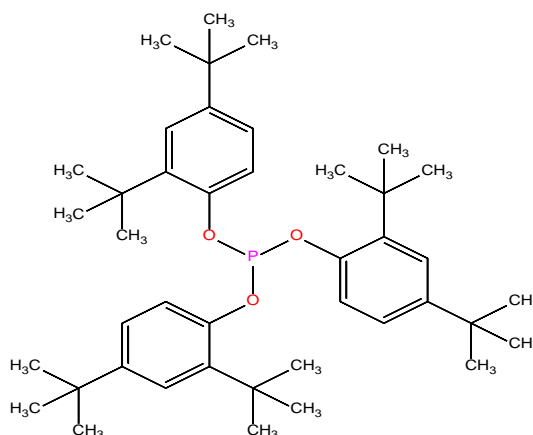
EINECS Number

248-597-9 + 250-709-6

Chemical Structure



PowerNox™ 3114, CAS No. 27676-62-6



PowerNox™ 1680, CAS No. 31570-04-4

PowerNox™ B1412 Antioxidant

Chemical Formula PowerNox 3114: $C_{48}H_{69}N_3O_6$
PowerNox 1680: $C_{42}H_{63}O_3P$

Molecular Weight PowerNox 3114: 784
PowerNox 1680: 647

Physical Properties

Appearance	White Power
Volatile Loss (%)	Max.0.5
Color of Solution 425nm (%)	Min.95.0
Color of Solution 500nm (%)	Min.97.0

Benefits & Applications

PowerNox™ B1412 is instrumental in preserving the initial melt flow, reducing color creation, exhibiting robust resistance to gas fading, and ensuring sustained thermal stability.

PowerNox™ B1412 offers long-term heat stability, protecting its physical properties in storage and use.

PowerNox™ B1412 has the ability to resist gas fading in polyolefins and successfully counteracts the adverse discoloration effects stemming from NOX exposure.

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.



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

Packing

PowerNox™ B1412 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 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.