

PowerNox™ 1035 Phenolic Antioxidant

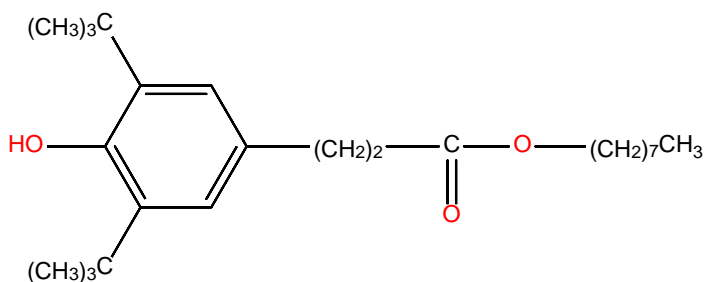
Introduction PowerNox™ 1035 is a sulfur containing primary (phenolic) antioxidant and heat stabilizer used for the process stabilization of polyethylene wire and cable resins.

Chemical Name Thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxy-phenyl)propionate]

CAS Number 41484-35-9

EINECS Number 255-392-8

Chemical Structure



Chemical Formula C₃₈H₅₈O₆S

Molecular Weight 643

Physical Properties

Appearance	White Crystalline Powder
Melting Point [°C]	63-78
Specific Gravity [20°C, g/ml]	1.00
Color of Solution 425nm (%)	Min.93
Color of Solution 500nm (%)	Min.95
Ash (%)	Max.0.1
Purity (%)	Min.95

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Solubility

Solubility [20°C]	% w/w
Acetone	56
Benzene	56
Chloroform	35
Ethyl acetate	45
n-Hexane	5
Methanol	5
Toluene	50
Mineral Oil	0.25
Water	<0.01

Benefits & Applications

PowerNox™1035 is used in polyolefins, namely polyethylene, polypropylene, polybutene as well as in other polymers such as styrene homo- and copolymers.

PowerNox™1035 may also be used in linear polyesters, PVC, polyamides and polyurethanes, elastomers such as SBS, EPR, EPDM and other synthetic rubbers, adhesives, natural and synthetic tackifier resins and other organic substrates. Additionally, it is recommended for the use in carbon black containing wire and cable resins.

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™ 1035 is supplied in a 25 kg carton box, net weight, with an inner PE liner.



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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.