

PowerNox™ 1035

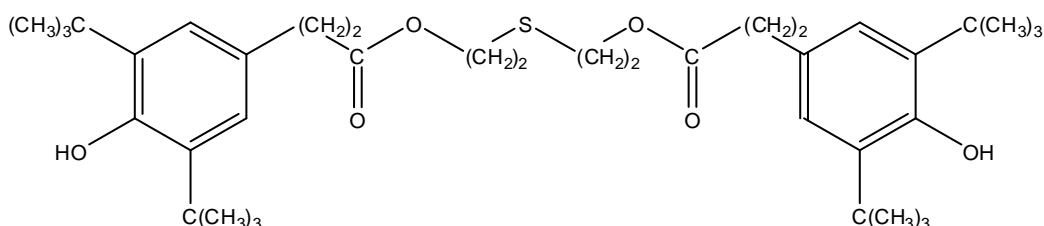
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CHEMICAL NAME

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

CHEMICAL STRUCTURE



INTRODUCTION

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

PHYSICAL PROPERTIES

CAS No.	41484-35-9
EC No.	255-392-8
Formula	C ₃₈ H ₅₈ O ₆ S
Molecular Weight	643
Melting Point(°C)	63-78
Specific Gravity(20°C)	1.00g/ml
Color of Solution 425nm (%)	Min.93
Color of Solution 500nm (%)	Min.95
Appearance	White Crystalline Powder
Ash	0.1% Max
Min. Purity	95%
Solubility (20°C)	% w/w

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Acetone	56
Benzene	56
Chloroform	35
Ethyl acetate	45
n-Hexane	5
Methanol	5
Toluene	50
Mineral Oil	0.25
Water	<0.01

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 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

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

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