

PowerNox™ TMQ Antioxidant

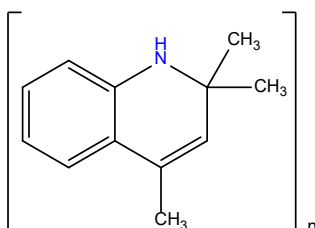
Introduction PowerNox™ TMQ is an effective processing and long-term heat stabilizer for a variety of application areas in LDPE, LLDPE, HDPE, and ethylene-propylene copolymers.

Chemical Name Poly(1,2-dihydro-2,2,4-trimethylquinoline)

CAS Number 26780-96-1

EINECS Number 500-051-3

Chemical Structure



Chemical Formula C₁₂H₁₅N

Molecular Weight 874

Physical Properties

Appearance	Amber to Brown Pastille
Specific Gravity [25°C]	1.08
Color - Gardner (G-136-A)	11
Softening Point Range (°C)	115-135
Flash Point (COC, °C)	274-282

Solubility

Solubility [25°C]	
Acetone	Soluble
Chloroform	Soluble
Ethanol	Soluble
Naphtha	Soluble
Toluene	Soluble
Petroluem Ether	Insoluble

PowerNox™ TMQ Antioxidant

Water	Insoluble
-------	-----------

Volatility

Weight Loss (%)	Temperature (°C)
0	229
10	297
20	339
30	393
40	434
50	465
60	503
70	546
80	470

Heating Rate = 10°C/min in air

Benefits & Applications

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 three years 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.

Handling & Storage

PowerNox™ TMQ may be stored at least three years in sealed containers. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat could decrease product shelf life. Containers should be kept sealed when not in use. Open drums should be used within one year to avoid hydrolysis.

Packing

PowerNox™ TMQ is supplied in 25kg Paper Bag.

Note

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



PowerNox™ TMQ 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.