

LOWINOX™ 44B25 stabilizer

Phenolic Antioxidant

Description

LOWINOX™ 44B25 stabilizer is a non-discoloring antioxidant based on a sterically hindered alkylated bis-phenol.

Chemical Name

Phenol, 4,4'-butylidenebis[2-(1,1-dimethylethyl)-5-methyl-

Synonym

4,4'-Butylidenebis[2-t-butyl-5-methylphenol]

CAS-Number:

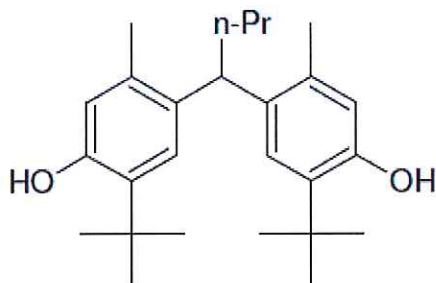
85-60-9

EINECS-Number:

201-618-5

Formula

LOWINOX™ 44B25 stabilizer



Typical physical properties of LOWINOX™ 44B25 stabilizer

Appearance	White powder
Melting range [°C]	209 – 212
Molecular weight [g/mol]	383
Bulk density [kg/m ³]	330

Solubility (g/100g solvent) @ 20°C

n-Hexane	<0.1	Methanol	43
Ethyl Acetate	63	Toluene	2
Acetone	>200	Water	<0.1
Chloroform	3	Ethanol	43

Thermogravimetric Analysis (10 mg @ 10 K/minute under N₂)

Weight Loss [%]	5	10	25
Temperature [°C]	200	212	217

Application

LOWINOX™ 44B25 stabilizer is a non-discoloring antioxidant with a wide range of applications for thermoplastics and adhesives. It has excellent performance properties in polyamides and tire cord.

Food Contact

For details please contact SI Group Regulatory Affairs

Handling and Storage

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials. Unless otherwise stated, the shelf life of the product is 4 years when it is properly stored.

For additional handling and toxicological information consult the SI Group Material Safety Data Sheet.