

LOWINOX[®] TBM-6 XC stabilizer

Thiophenol Antioxidant

Description

LOWINOX[®] TBM-6 XC stabilizer is the antioxidant of choice for medium-high & extra high voltage compounds. It is a highly pure & clean product specifically designed for manufacturing reliable and long lasting cables. .

Chemical Name

4,4'-Thiobis(2-t-butyl-5-methylphenol)

Synonym

2,2'-Methylenebis(6-t-butyl-4-methylphenol) 2,2'-Methylenebis(6-t-butyl-4-methylphenol)

CAS-Number:

96-69-5

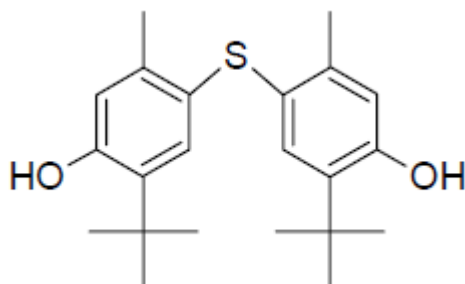
EINECS-Number:

202-525-2

Also listed on: REACH, TSCA, DSL, ENCS, AICS, KECL, PICCS, IECSC, NZIoC

Formula

LOWINOX[®] TBM-6 XC stabilizer



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Typical physical properties of LOWINOX[®] TBM-6 XC stabilizer

Appearance	White crystalline powder
Molecular weight [g/mol]	358
Particle size, < 100µ	17% Max
Particle size, > 1180µ	0%
Assay	Min. 99%
Melting range [°C]	160.0-164.0
Volatiles	0.1% Max
Ash Content	0.01 % Max
Cleanliness	Extra clean

Solubility (g/100g solvent) @ 20°C

Water	0.08	Diethyl ether	0.5
Acetone	20	Methanol	79
Ethanol	47	Hexane	0.5-1.0

Thermogravimetric Analysis (10 mg @ 10°C/minutes under N₂)

Weight Loss [%]	5	10	50
Temperature [°C]	214	227	267

Applications

LOWINOX[®] TBM-6 XC stabilizer is used as an antioxidant in XL-PE cables. **LOWINOX[®] TBM-6 XC stabilizer** provides excellent scorch resistance, processing stability & long term heat protection. It has high resistance to washout and excellent compatibility with peroxides. **LOWINOX[®] TBM-6 XC stabilizer's** high purity and excellent cleanliness make it the stabilizer of choice for manufacturing reliable and long lasting cables.

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 5 years when it is properly stored.

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

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