

ANOX[®] 20 stabilizer

Phenolic Antioxidant

Description

ANOX[®] 20 stabilizer is a high molecular weight hindered phenolic antioxidant that provides very low volatility and excellent resistance to extraction from polymer compounds.

Chemical Structure

Tetrakis(methylene (3,5-di-*t*-butyl-4-hydroxyhydrocinnamate) methane

CAS Number

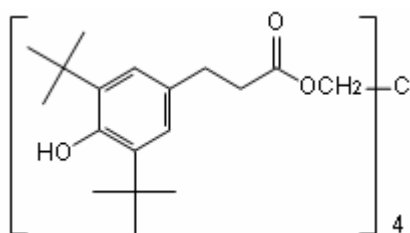
6683-19-8

EINECS-Number

229-722-6

Formula

ANOX[®] 20 stabilizer



Typical Physical Properties of ANOX[®] 20 stabilizer

Appearance	White, free-flowing solid
Bulk density [kg/m ³]	Powder 650 / Granular 570
Molecular weight	1178
Melting range °C	110 – 125
Flash point °C	299

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

Weight Loss, %	5	10	25
Temperature, °C	350	365	387

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Solubility @ 25°C (g/100g solvent)

Water	<0.1	Acetone	75
Benzene	>100	Chloroform	>100
Methanol	<0.1	<i>n</i> -Hexane	<0.1
Ethyl Acetate	66	Toluene	50

Application

ANOX[®] 20 stabilizer is particularly effective against polymer degradation during long-term aging. It is also very effective as a process stabilizer. **ANOX[®] 20 stabilizer** exhibits good resistance to discoloration at the high temperatures that are encountered in thermoplastic polymer processing.

Food Contact

This compound has broad food contact approvals; for details please contact AddivantTM Regulatory Affairs Polymer Additives.

Storage and Handling

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 stated, proper storage will permit usage of the product for 3 years from the date of receipt.

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

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