

ANOX™ IC-14 stabilizer

Phenolic Antioxidant

Description

ANOX™ IC-14 stabilizer is a high molecular weight hindered phenolic antioxidant which provides very low volatility and excellent resistance to extraction from polymer compounds.

Chemical Name

1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]-

Synonym

1,3,5-Tris(3,5-di-t-butyl-4-hydroxybenzyl) isocyanurate

CAS-Nr.

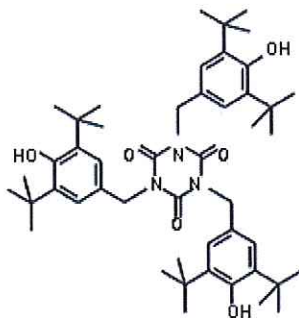
27676-62-6

EINECS-Nr.

248-597-9

Formula

ANOX™ IC-14 stabilizer



Typical physical properties of ANOX™ IC-14 stabilizer

Appearance	White, free flowing powder or granules
Melting range [°C]	218 – 221
Molecular weight [g/mol]	784
Bulk density [kg/m ³]	480 (pw) / 580 (gr)

Solubility (g/100g solvent) @ 25°C

n-Hexane	<0.5	Methanol	0.5
Ethyl Acetate	45	Toluene	9
Acetone	45	Water	<0.1
Chloroform	45		

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

Weight Loss [%]	5	10	25
Temperature [°C]	327	338	353

Application

ANOX™ IC-14 stabilizer provides outstanding protection against high temperature degradation during processing and thermal stability for the lifetime of the article. It is a non-volatile and non-discoloring antioxidant for use in polyolefin applications. It is resistant to gas fading and is useful in application areas like polypropylene fiber and films. The combination of good high temperature thermal and color stability also proves useful in injection molding applications that demand higher than usual melt temperatures.

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 stated, the shelf life of the product is 3 years when it is properly stored.

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