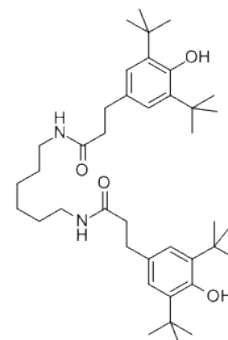


## GC THANOX 1098

**N,N' Hexamethylene bis (3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionamide)**

Chemical Formula  $C_{40}H_{64}N_2O_4$   
Molecular Weight 636.95 g/mol  
CAS Registry Number 23128-74-7



**GC THANOX 1098** is an efficient and extraction resistant, hindered phenol antioxidant.

**GC THANOX 1098** is an excellent antioxidant for polyamide fibers, molded articles and films. It can be added prior to polymerization, to protect polymer color properties during manufacturing, shipping or thermal fixation. During the last stages of polymerization or by dry blending on nylon chips, fiber can be protected by incorporating **GC THANOX 1098** in the polymer melt.

### PHYSICAL-CHEMICAL PROPERTIES

Appearance	White powder			
Assay, %	Min. 98.0			
Density, g/cm <sup>3</sup>	1.04			
Melting point, °C	156-162			
Volatiles, %	Max. 0.5			
Ashes, %	Max. 0.1			
Solubility @ 20°C in 100 g solvent	Water	0.01	Benzene	0.01
	Methanol	6	Acetone	2.8
	Ethyl Acetate	1.2	Hexane	0.01
TGA (10 mg @ 10°C/min under N <sub>2</sub> )	Weight Loss	5 %	10 %	25 %
	Temperature	330°C	342°C	375 °C
Transmittance (5g/50 ml Toluene), %	@425 nm			
	Min. 98.0			
	@500 nm			
	Min. 99.0			

### HANDLING AND STORAGE:

The processing and use of GC THANOX 1098 requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.  
GC THANOX 1098 has to be stored in tightly sealed original container in a cool and well-ventilated area, away from direct sunlight.

### PACKAGING:

Standard packaging size of GC THANOX 1098 is in 25 Kg in plastic bags.

### DISCLAIMER:

Information contained in this document is provided to the best of our knowledge and is considered true as per revision date. We do not accept any liability for loss and damage that may occur from the improper use of this information and for the use against the safety legal requirements and patent rights. This specification does not release the customer from the obligation to check the product as to its suitability for intended area of usage.