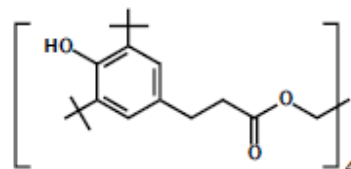


## GC THANOX 1010

### Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)

Chemical Formula	C <sub>73</sub> H <sub>108</sub> O <sub>12</sub>
Molecular Weight	1177.63 g/mol
CAS Registry Number	6683-19-8



**GC THANOX 1010** is a high molecular weight hindered phenolic antioxidant that provides very low volatility and excellent resistance to extraction from polymer compounds.

**GC THANOX 1010** is particularly effective against polymer degradation during long-term aging. It is also very effective as a process stabilizer and exhibits good resistance to discoloration at the high temperatures.

**GC THANOX 1010** is suitable for polyolefins, ABS, elastomers and adhesives, polyamides, polyesters and PVC.

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#### PHYSICAL-CHEMICAL PROPERTIES

Appearance	White powder/granules			
Assay (HPLC), %	min 98.5			
Specific gravity, g/cm <sup>3</sup> @ 25°C	1.045			
Melting point, °C	110-125			
Volatiles, %	max 0.50			
Ash, %	max 0.10			
Solubility a 20°C (g/100 g solvent)	Water	0.03	Benzene	> 100
	Methanol	2	Acetone	> 100
	Chloroform	> 100	Hexane	0.45
TGA (10 mg @ 10°C/min under N <sub>2</sub> )	<b>Weight Loss</b>	<b>5 %</b>	<b>10 %</b>	<b>25 %</b>
	<b>Temperature</b>	<b>350°C</b>	<b>365°C</b>	<b>3087°C</b>
Transmittance (5g/50 ml Toluene)	@425 nm	≥ 96.0 %		
	@500 nm	≥ 98.0 %		

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#### HANDLING AND STORAGE:

The processing and use of GC THANOX 1010 requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.

GC THANOX 1010 has to be stored in its tightly sealed original container in a cool and well-ventilated area, away from direct sunlight.

#### PACKAGING:

Standard packaging size of GC THANOX 1010 is in 25 Kg in plastic bags and 1 MT Big 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 improperly 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.