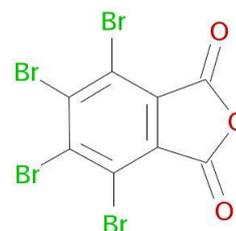


## GC TETRA PHT

Tetrabromophthalic Anhydride

Chemical Formula  $C_8O_3Br_4$   
 Molecular Weight 463.7  
 CAS registry number 632-79-1



GC TETRA PHT, Tetrabromophthalic anhydride, is a reactive flame retardant, with approx. 68% of bromine, incorporated into unsaturated resins. It is also used as a starting material for the manufacture of other flame retardants, such as bromine-containing urethane polyols and diallyl tetrabromophthalate. It is used as flame retardants in various applications such as hard polyurethane coatings for cables.

### PHYSICO-CHEMICAL PROPERTIES

Appearance	Powder				
Bromine, %	68				
Melting point, °C	274-277				
Density @ 25°C, g/ml	2.9				
Bulk Loose Density @25°C, g/ml	1.37				
Bulk Packed Density @25°C, g/ml	2.09				
Solubility at 20°C in 100 g solvent	Water	<0.1	Toluene	6	
	Methylene Chloride	1	Methyl Ethyl Ketone	2.6	
	Methanol	1.6			
TGA (10 mg @ 10°C/min under N <sub>2</sub> )	Weight Loss	5 %	10 %	50 %	95 %
	Temperature	229°C	242°C	277 °C	297°C

**HANDLING AND STORAGE:** The processing and use of GC TETRA PHT requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.

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

**PACKAGING:** Standard pack size of GC TETRA PHT is 25 Kg in plastic bags or 1MT Big Bag.

### Important note

*Some plastic additives, fillers or pigments can influence significantly on flame retardant properties. Before to use the products, please be informed.*

*Stop machine with high temperature could create degradation of polymers. Please clean with neutral polymers.*

### NOTE:

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.