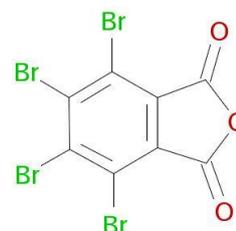


## GC PHT 4

### Tetrabromophthalic Anhydride

Chemical Formula  
Molecular Weight  
CAS registry number

$C_8O_3Br_4$   
463.7  
632-79-1



GC PHT 4 is a brominated reactive flame retardant. GC PHT 4 can be combined with a synergist to enhance flame retardant activity. GC PHT 4 has a high FR efficiency and finds its main application incorporated into unsaturated resins and their derivatives. GC PHT 4 is used as flame retardant additive in rigid PU, epoxy, PS and PHE.

#### PHYSICAL-CHEMICAL PROPERTIES

Appearance	Powder				
Bromine content, %	68.2				
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 (@ 20°C in 100 g solvent)	Water	<0.1	Toluene	6.0	
	Methylene Chloride	1.0	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 PHT 4 requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.

GC PHT 4 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 PHT 4 is 25 Kg in plastic bags.

#### 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.