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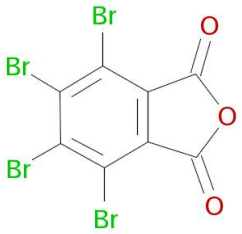
GC PHT

Tetrabromophthalic Anhydride



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

GC PHT is a brominated reactive flame retardant. **GC PHT** can be combined with a synergist to enhance flame retardant activity. **GC PHT** has a high FR efficiency and finds its main application incorporated into unsaturated resins and their derivatives. **GC PHT** 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 Cloride	1.0	Methyl Ethyl Ketone	2.6	
	Methanol	1.6			

TGA (10 mg @ 10°C/min under N_2)	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 requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information. GC 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 PHT 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 .

GREENCHEMICALS S.r.l. Via Lavoratori Autobianchi, 1 -20832 Desio (MB) Phone: +39 0362 1547305
info@greenchemicals.green www.greenchemicals.eu Fax: +39 039 8942754