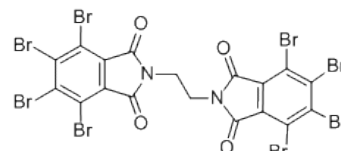


## GC BT 67

### N,N'-ethylenebis(3,4,5,6-tetrabromophthalimide)

Chemical Formula  
CAS number

$C_{18}H_4O_4N_2Br_8$   
32588-76-4



**GC BT 67** is a flame retardant with a high resistance to UV radiation and thermal stability. Due to its thermal stability, it finds application in engineering polymers. **GC BT 67** does not present blooming effects, which makes it a suitable flame retardant for polyolefin film also its excellent electrical properties make it ideal for cable applications. **GC BT 67** is used mainly in polyolefins, high-impact polystyrene (HIPS), thermoplastic polyesters (PBT, PET), polycarbonate and elastomers

#### PHYSICAL-CHEMICAL PROPERTIES

Appearance	White to Light yellow Powder				
Br content (theoretical), %	66.2				
Melting Point, °C	Min. 456				
Density, g/cm <sup>3</sup>	2.77				
Average Particle size, µm	~3.00				
TGA (10 mg @ 10°C/min under N <sub>2</sub> )	Weight Loss	1%	5 %	10 %	50 %
	Temperature	324°C	419°C	441°C	473°C

#### HANDLING AND STORAGE:

The processing and use of GC BT 67 requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.  
GC BT 67 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 BT 67 is in 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.  
Machine stop at high temperature could create degradation of polymers. Please clean with neutral polymers.

#### 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.