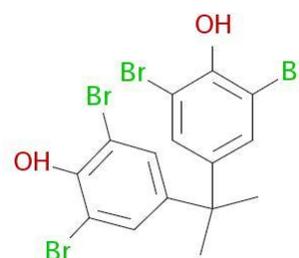


## GC TBBPA 59

Tetrabromo bisphenol A

Chemical Formula  
Molecular Weight  
CAS registry number

$C_{15}H_{12}Br_4O_2$   
543.87  
79-94-7



GC TBBPA 59 is a brominated aromatic flame retardant used in thermoplastic and thermoset resin systems and widely used extensively in the manufacture of flame retardant printed circuit boards found in most electrical appliances.

It allows a remedy for all of the inconveniences arising from the use of decabromo diphenyl oxide about the development of dioxins and the easy yellowing.

GC TBBPA 59 is also used as an intermediate to make other flame retardants. About Brominated Carbon Oligomers Brominated carbonate oligomers (which use TBBA as a raw material) are used to flame retard thermoplastic resin systems such as polybutylene terephthalate (PBT) and certain grades of polycarbonate (PC).

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### PHYSICO-CHEMICAL PROPERTIES

|                              |              |
|------------------------------|--------------|
| Appearance                   | White Powder |
| Br (%)                       | 58           |
| Moisture (%)                 | 0,2 max      |
| Density (g/cm <sup>3</sup> ) | 2,12         |
| Melting Point (°C)           | 179 min      |
| Color APHA (20% methanol)    | 15 max       |

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**HANDLING AND STORAGE:** The processing and use of GC TBBPA 59 requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.

GC TBBPA 59 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 TBBPA 59 is 25 Kg in plastic-lined paper 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.