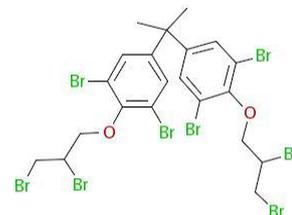


GC BDDP 68

Tetrabromobisphenol A bis (2,3-dibromopropyl ether)

Chemical Formula $C_{21}H_{20}Br_8O_2$
Molecular Weight 943.61 g/mol
CAS Registry Number 21850-44-2



GC BDDP 68 is a brominated highly effective flame-retardant, designed for use in PP (homopolymer and copolymer) and in PS, also in high impact polystyrene (HIPS) application. GC BDDP 68 finds its application mainly in PP but also in resin with rubber fiber and high molecular material in the electronics industry. It is an excellent flame-retardant for PP Plastics. GC BDDP 68 does not contain Bisphenol A.

PHYSICAL-CHEMICAL PROPERTIES

Appearance:	White powder or granules			
Bromine content, %	67.00 min			
Whiteness	92.0 min			
Melting Point, °C	100 min			
Carbonizing temperature °C	240 min			
Insoluble substance in propane%	0.06 max			
Volatile, %	0.3 max			
Free bromine, ppm	Max 50			
TGA (10 mg @ 10°C/min under N ₂)	Weight Loss	5 %	10 %	25 %
	Temperature	305 °C	312°C	328°C

HANDLING AND STORAGE: The processing and use of GC BDDP 68 requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.
GC BDDP 68 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 BDDP 68 is in 25 Kg plastic bags or 1MT Big Bags.

Important note: Some plastic additives, fillers or pigments can influence significantly the flame retardant properties of the compound. Before using these 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 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.