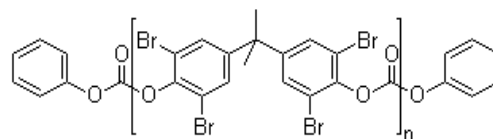


GC B 52



TBBA Oligomer Carbonate Phenoxy Terminated

Chemical Formula $(C_7H_5O_2) \cdot (C_{16}H_{10}Br_4O_3)_n \cdot (C_6H_5O)$
CAS registry number 94334-64-2

GC B 52 is a brominated polymeric flame retardant that finds application in thermoplastics. GC B 52 shows high thermal and UV stability, which allows its use in technical polymers such as PBT, PET, PET/PBT blends, PC, ABS, PC/ABS blends, polysulfone and SAN.
GC B 52 due to its high purity can be used in electrical applications.

PHYSICAL-CHEMICAL PROPERTIES

Appearance	White powder
Bromine content, %	ab. 52
Melting point, °C	190-220
Density, g/cm ³	2.2
Volatiles, %	0.2 max

TGA (10 mg @ 10°C/min under N ₂) (Lit.)	<u>Weight loss</u>	1%	5%	10%	50%
	Temperature	370°C	408°C	438°C	480°C

HANDLING AND STORAGE:

The processing and use of GC B 52 requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.

GC B 52 has to be stored in its tightly sealed original container in a cool and well-ventilated area, away from direct sunlight.

PACKAGING:

Standard packaging size of GC B 52 is 25 Kg in plastic bags or 1MT Big Bag.

IMPORTANT NOTE

Some plastic additives, fillers or pigments can influence significantly on flame retardant properties. Before using these products, please be informed.

Machine stop at high temperature could create degradation of the 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.