

BC-52™

Halogenated Flame Retardant

BC-52™ with its unique combination of properties makes it a suitable flame retardant in PBT, PET, PET/PBT blends, PC, ABS, ABS/PC blends, Polysulfone, and SAN. The UV stability of **BC-52™** allows it to be formulated for applications subjected to indoor fluorescent and casual outdoor sunlight exposure. **BC-52™** has high purity allowing its use applications requiring excellent electrical and thermal properties.

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials. Unless stated, proper storage will permit usage of the product for 6 to 12 months from the date of receipt.

BC-52™ is a brominated, aromatic flame retardant for thermoplastic resin systems. BC-52™, a white powder, offers excellent thermal stability, UV stability and color in the final part.

Phenoxy-terminated carbonate oligomer of
Tetrabromobisphenol A
CAS Reg. Number [94334-64-2]

Structure Proprietary



TYPICAL DATA:

Typical Properties of BC-52™	
Appearance	White Powder
Bromine Content, %	52
Melting Range, °C	180 – 210
Specific Gravity @ 25 °C, g/ml	2.2
Bulk Loose Density @ 25 °C, g/ml	0.61
Bulk Packed Density @ 25 °C, g/ml	1.00

Thermogravimetric Analysis (10 mg @ 10 °C/minute under N ₂)			
Weight Loss, %	5	10	50
Temperature, °C	408	438	480

Solubility (g/ 100 g Solvent)			
Water	< 0.1	Toluene	14
Methylene Chloride	Complete	Methyl Ethyl Ketone	Complete
Methanol	< 0.1		

For additional handling and toxicological information, consult the Material Safety Data Sheet.



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