

BC-58™

Halogenated Flame Retardant

BC-58™, with its unique combination of properties makes it a suitable flame retardant in PBT, PET, PBT/PET blends, PC, ABS, ABS/PC blends, Polysulfone and SAN. The UV stability of **BC-58™** allows it to be formulated for applications subjected to indoor fluorescent and casual outdoor sunlight exposure. In addition, BC-58™'s high purity makes it a solid choice for 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-58™ is a brominated, aromatic flame retardant for thermoplastic resin systems. **BC-58™**, a white powder, offers excellent thermal stability, good UV stability and color in the final part.

Phenoxy-terminated carbonate oligomer of
Tetrabromobisphenol A

CAS Reg. Number [71342-77-3]

Structure Proprietary



TYPICAL DATA:

| Typical Properties of BC-58™ | |
|-----------------------------------|--------------|
| Appearance | White Powder |
| Bromine Content, % | 58 |
| Melting Range, °C | 200 – 230 |
| Specific Gravity @ 25 °C, g/ml | 2.2 |
| Bulk Loose Density @ 25 °C, g/ml | 0.66 |
| Bulk Packed Density @ 25 °C, g/ml | 1.02 |

| Thermogravimetric Analysis (10 mg @ 10 °C/minute under N ₂) | | | |
|---|-----|-----|-----|
| Weight Loss, % | 5 | 10 | 50 |
| Temperature, °C | 380 | 423 | 475 |

| 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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