



PA

Business Unit or Division Polymer Additives
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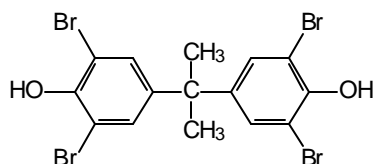
Document Type **Technical Information**

Product Name **Great Lakes BA-59P™**

Halogenated Flame Retardant

Great Lakes BA-59P, tetrabromobisphenol A, is a brominated aromatic flame retardant used in thermoplastic and thermoset resin systems.

Tetrabromobisphenol A
CAS Reg. Number [79-94-7]



Typical Properties

Appearance	White Free Flowing Powder
Bromine Content, %	59
Melting Range, °C	179 – 182
Specific Gravity @ 25 °C, g/ml	2.2
Bulk Loose Density @ 25 °C, g/ml	0.96
Bulk Packed Density @ 25 °C, g/ml	1.36

Thermogravimetric Analysis (10 mg @ 10 °C/minute under N₂)

Weight Loss, %	5	10	50
Temperature, °C	244	261	301

Solubility (g/ 100 g Solvent)

Water	< 0.1	Toluene	6
Methylene Chloride	27	Methyl Ethyl Ketone	168
Methanol	80	Acetone	225

Great Lakes BA-59P is highly effective when reacted into epoxy resin systems due to its structural compatibility, high bromine content, and thermal stability. **Great Lakes BA-59P** high purity allows its use as a reactive flame retardant for polycarbonates and as an additive for styrenic thermoplastics such as ABS and high impact polystyrene

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