



Technical Information

Firemaster[®] 2100

Firemaster[®] 2100 is a general purpose, brominated, high-purity, non-DPO based flame retardant for a variety of polymers including styrenics, engineering polymers, polyolefins, and elastomers.

Bromine-Based Flame Retardant
CAS Reg. Number [Proprietary]

Structure Proprietary

Typical Properties

Appearance	White Powder
Bromine Content	81 - 82
Melt Range, °C	348 - 353
Bulk Loose Density @ 25°C, g/ml	0.711
Bulk Packed Density @ 25°C, g/ml	1.111

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

Weight Loss, %	1	5	50
Temperature, °C	308	343	395

Solubility (g/ 100 g Solvent @ 20 °C)

Water	< 0.01	Toluene	< 0.01
Methylene Chloride	< 0.01	Methyl Ethyl Ketone	< 0.01
Methanol	< 0.01	Acetone	< 0.01
Hexane	< 0.01		

The key performance features of **Firemaster[®] 2100** include:

- Excellent color
- Good UV stability
- High FR efficiency
- High thermal stability
- Non-blooming
- Alternative to diphenyl oxide flame retardants

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.

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