



## Technical Information

### Firemaster® CP-44HF

Firemaster® CP-44HF is a polymeric flame retardant designed for polyamides and thermoplastic polyesters (PBT and PET). It is the preferred flame retardant for applications where improved flow is a requirement.

Bromine-Based Flame Retardant

CAS Reg. Number: [148993-99-1]

#### Typical Properties

Appearance	Amber pellets
Bromine Content	64 - 65

#### Thermogravimetric Analysis (10 mg @ 10 °C/minute under N<sub>2</sub>)

Weight Loss, %	1	5
Temperature, °C	316	347

Structure Proprietary

#### Solubility (g/ 100 g Solvent @ 20 °C)

Water	Insoluble	Toluene	Complete
Methylene Chloride	Partially	Methyl Ethyl Ketone	Partially
Methanol	Insoluble	Acetone	Insoluble

The key performance features of **Firemaster® CP-44HF** include:

- Improved compatibility with the host polymer
- Non-blooming
- Melt blendable for ease of processing
- Non-dusting form for ease of handling
- Eliminates need for drip suppressant in formulation
- Lower synergist levels
- Superior flow enhancement of glass filled polymers
- Improved mechanical properties in non-reinforced polymers

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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