

# Firemaster® CP-44HF

## Halogenated Flame Retardant

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

Bromine-Based Flame Retardant  
 CAS Reg. Number: [88497-56-7]

Typical Properties of Firemaster® CP-44HF			
Appearance	Amber pellets		
Bromine Content, %	64 - 65		
Average Molecular Weight	~ 16,000		
Thermogravimetric Analysis (10 mg @ 10 °C/minute under N <sub>2</sub> )			
Weight Loss, %	1	5	
Temperature, °C	316	347	
Solubility (g/ 100 g Solvent)			
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
- Eliminates need for drip suppressant in formulation
- Non-blooming
- Lower synergist levels
- Melt blendable for ease of processing
- Superior flow enhancement of glass filled polymers
- Non-dusting form for ease of handling
- Improved mechanical properties in non-reinforced polymers



**STORAGE AND HANDLING PRECAUTIONS**

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 Material Safety Data Sheet.**



A company of the  
**LANXESS**  
Group

The information contained herein relates to a specific Chemtura product and its use, and is based on information available as of the date hereof. Additional information relating to the product can be obtained from the pertinent Material Safety Data Sheets. NOTHING IN THIS TECHNICAL DATA SHEET SHALL BE CONSTRUED TO CONSTITUTE A REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, REGARDING THE PRODUCTS CHARACTERISTICS, USE, QUALITY, SAFETY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein shall constitute permission or recommendation to practice any intellectual property without the permission of the owner.

The Chemtura logo is a trademark of Chemtura Corporation or one of its subsidiaries.

Copyright © 2016 Chemtura Corporation. All rights reserved.

**North America**

+1.800.325.6252  
customer.care@chemtura.com

**Europe, Middle East & Africa**

+44.161.875.3800  
emea.export@chemtura.com

**South & Central America**

+55.19.3522.5000  
Atendimento.cliente@chemtura.com

**Asia Pacific**

+86.21.3866.6509  
orders.apac@chemtura.com

