

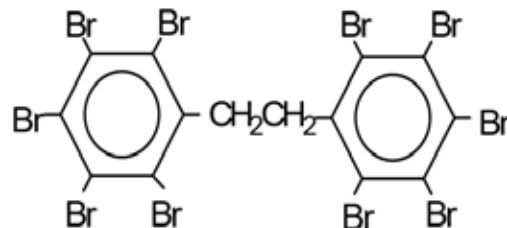
Firemaster® 2100R

Halogenated Flame Retardant

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

Decabromodiphenyl ethane

CAS Reg. Number: [84852-53-9]



Typical Properties of Firemaster® 2100R

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Appearance	White Powder			
Bromine Content	81 - 82			
Melt Range, °C	348 - 353			
Bulk Loose Density @ 25 °C, g/ml	1.19			
Bulk Packed Density @ 25 °C, g/ml	1.39			
Thermogravimetric Analysis (10 mg @ 10 °C/minute under N ₂)				
Weight Loss, %	1%	5%	50%	90%
Temperature, °C	314	344	402	423
Solubility (g/ 100 g Solvent)				
Water	< 0.01	Toluene	< 0.01	
Methylene Chloride	< 0.01	Methyl Ethyl Ketone	< 0.01	
Methanol	< 0.01	Acetone	< 0.01	
Hexane	< 0.01			

Firemaster® 2100R is an additive flame retardant for thermoplastic, elastomeric and thermoset polymer systems, such as HIPS, PBT, polypropylene, LDPE, EPDM, unsaturated polyester, and epoxy. Firemaster® 2100R is an excellent flame retardant for coatings and adhesive systems, including backcoatings for fabrics.

Firemaster® 2100R include:

- Excellent color
- High thermal stability
- Good UV stability
- Non-blooming
- High FR efficiency
- RoHS compliant

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 12 months from the date of receipt.

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



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