



TECHNICAL DATASHEET

PRODUCT NAME – Flame Retardant Masterbatch

PRODUCT CODE – HITECH-FR-1331-L

PRODUCT DESCRIPTION

Unlike reactive flame retardants, which are incorporated into the polymer molecule during polymerization, flame retardant masterbatches allow variable dosing levels and thus flexibility during processing. The effects may be either physical or chemical, occurring in either the gaseous or solid phase.

Flame Retardant MB is a functional additive masterbatch which imparts Flame Retardant property in product. It has excellent thermal stability & is melt soluble in Polymer Matrix. It's suitable for plastic products made out of Polyolefins.

FEATURES

- Non- Halogenated flame retardant
- UL 94 V0 & V1 ratings compliant
- Low smoke emissions
- Low loading
- Low toxicity
- Doesn't corrode the equipment
- Freedom to use color masterbatch along with it to the end user

APPLICATIONS

- Office equipments
- White Goods Appliances
- Electrical Appliances
- PE Wires & Cables
- Electronics Appliances

USAGE

It is a ready to use and since every application is unique it is recommended for the users to determine the applicable usage rate based on their requirements.

TECHNICAL SPECIFICATION

Properties	Value
Composition	
EVA or LDPE	40-50%
HI Tech Additive A	<20%
HI Tech Additive B	40-50%
Physical State	Pellets
Colour	White to off white
Active Content	55-60%
Melting Temperature	~ 120 C (in extruder)
Heat Stability	300 C
Application	Flame Retardancy in <ul style="list-style-type: none"> • HDPE, LLDPE 6-9% • Tapes: PP and HDPE 6-9% • Fibers: PP 4-8% • Cables: PVC EVA – 3-5% • Moulding : 1-3% • Grass Yarns – 3-6%
Grades Available	1331 – E (Eva Based) 1331 – L (LDPE Based)
Test Results	IS: 13501 / ASTM D 2863 Films, Non-Woven & Fiber Limiting Oxygen Index (LOI) >30 at 4% to 8% addition UL 94 Molding V0 at 3% & V1 at 1% c. DIN51960 Grass Yarns Class 1 rating at 4 %

USA - 14310 Gannet St , La Mirada, California
 India – 18 Sec 6 Manesar, Gurgaon, India
 Germany - Schlosserstrasse 13, Lindlar, Germany 51789
 Italy - Via dell' Artigianato, 15, Provincia di Modena





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DISPOSAL

Recommendation: Do not allow product to reach sewage system.
 Disposal of product or waste must comply with official local regulations.
 Packaging that cannot be recycled must be disposed in the same manner as the product.

SAFETY INFORMATION

- Keep Out Of Reach Of Children
- Keep Container Tightly Closed
- Not For Internal Consumption
- Consult Material Safety Data Sheet For More Information

DECLARATION

This Data sheet and information it contains is considered to be accurate at the date of printing. No representation or warranty, expressed or implied is made as to the accuracy or completeness of the data and information contained in this publication. It is the User's obligation to evaluate and use products safely and within the scope advised in the data sheet and to comply with all applicable laws and regulations.

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