



Endura® PE-602-29 Flame Retardant Masterbatch for PE Film

Endura PE-602-29 is an economical, highly-loaded polyethylene flame retardant masterbatch that can be let down with polyethylene to produce flame-retardant film and sheet. Endura PE-602-29 is free of polybrominated diphenylethers and contains an active brominated flame-retardant with antimony oxide as the synergist. Due to its high loading, Endura PE-602-29 is used at low letdown ratios for NFPA 701 type applications.

Endura Masterbatch	Potential Letdown Range (%)	Recommended Starting Letdown* (%)	Attributes
PE-602-29	5 - 7	6	Non-Deca / Non-blooming



LDPE Film without FR protection



LDPE Film with 6% Endura PE-602-29

Typical Properties

Property	Test Method	Result
Specific Gravity	ASTM D-792	2.15
Recommended Processing Temperature		380 – 450 °F



Concentrates Offer Many Advantages

Improved Properties - Good dispersion is the key to maximum performance from flame-retardant additives. The flame retardant ingredients in our concentrates are predispersed and thoroughly wetted by the carrier resin. This results in improved flame retardancy and physical properties and in many cases lower loadings when compared to free powders.

Cleaner, Improved Material Handling - Plastics processors, who use concentrates rather than dry powders, benefit from a cleaner plant with minimal housekeeping effort. Employee dust exposure is greatly reduced and there are fewer materials to inventory. Material handling is simplified with free-flowing, non-bridging concentrates that can be transferred easily with pneumatic conveyors.

More Efficient Production - Concentrates increase compounding efficiency through higher production rates, less power consumption, higher yields and less abrasion and equipment wear.

Handling and Use

Endura® flame-retardant concentrates are considered to be non-hazardous under normal conditions. Material Safety Data Sheets are available. You are encouraged to read and understand these documents before using the product. Since these products are used at elevated temperatures, fumes may be generated under some use conditions. Ventilation is

Packaging and Samples

Standard packaging for concentrates is Gaylord boxes that are lined and on pallets. Samples are available on request by calling Polymer Products' toll-free order number: 1-800-836-8589.

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