

Data Sheet

Endura® FR-6535

Endura® Flame Retardant Concentrate for Polypropylene

Endura® FR-6535 is a highly-loaded polypropylene-based halogenated flame-retardant concentrate designed applications to meet UL-94 V-0 and V-2 flammability criteria in compounding, extrusion, and injection molding. Endura® FR-6535 offers excellent dispersion of flame retardant additives and a high degree of thermal stability. Because of its high loading, Endura® FR-6535 can be letdown with homo polymer or copolymer resins to produce a compound with a good balance of physical and flame retardant properties.

Applications

Processes

Tubing Extrusion
Compounding
Injection Molding
Film, Sheet and Profile Extrusion

End-use Markets

Electronics
Industrial
Film and Sheet
Consumer Products

Typical Properties*

Property	Test Method	Result
Specific Gravity	ASTM D-792	2.3
Bulk Density, lb/ft ³	ASTM D-1895	75
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 necessary to minimize employee exposure to these fumes.

Packaging and Samples

Standard packaging for concentrates is in 1,000-lb boxes, lined and on pallets. Optional are 250-lb fiber drums and 50-lb bags. To meet particular needs, boxes up to 1,400 lb can be supplied. Samples are available on request by calling Polymer Products' toll-free order number 1-800-836-8589.

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