**Polymer Products Company Inc.**
100 Station Avenue
Stockertown, PA 18083
Customer Service: 1-800-836-8589
Facsimile: 610-759-3692
http:/www.polymerproductscompany.com

PMC Group Polymer Products

Data Sheet

# Endura® EVA-85

## Endura® Antimony Oxide Concentrate for EVA Compatible Systems

Endura® EVA-85 is a concentrate which contains 85% antimony oxide dispersed in ethylene vinyl acetate. As a concentrate, Endura® EVA-85 simplifies the handling and application of antimony oxide and makes it easier for users to comply with the current OSHA permissible exposure limit of 0.5 mg/m3 (as antimony) based on an 8-hour time-weighted average.
Endura® EVA-85 must be used in conjunction with a halogenated organic compound in order to obtain flame retardancy.

### Applications

Endura® EVA-85 is designed for flame retardant polyester applications in particular, as well as a wide range of other flame retardant thermoplastic applications which can tolerate small amounts (usually less than 2%) of an ethylene vinyl acetate resin.

### Typical Properties*

| Property | Test Method | Result |
|---|---|---|
| Antimony Trioxide, wt% | Polymer Products' Method | 85 |
| Specific Gravity | ASTM-D-792 | 3.1 |
| Melt Index, g/10 min | ASTM-D-I 238 'E' | 1 |
| Bulk Density, lb/ft3 | ASTM-D-I 895 | 90 |

### Concentrates Improve Product Quality

Adequate mixing is essential to developing maximum performance from flame-retardant additives. Since the flame-retardant ingredients in our concentrates are thoroughly wetted with plastic, they are much more easily dispersed than individual dry ingredients. As a result, the use of concentrates rather than dry powders can improve both the flame retardancy and physical properties of the end product, and in many cases may permit a lower loading.

### Cleaner, More Efficient Production With Concentrates

Plastics processors who use concentrates rather than dry powders benefit from a clean plant with minimal housekeeping. Employee dust exposure likewise is minimized. And there are fewer materials to inventory.

Materials handling is simplified with free- flowing, non-bridging concentrates that can be transferred easily with pneumatic conveyors.

Further, concentrates increase product efficiency through higher production rates with less power consumption and higher yields because additive loss is reduced. There's also less abrasion and equipment wear with concentrates.

### Handling and Use

PMC Group Polymer Products' flame-retardant concentrates are considered to be non-hazardous under normal conditions. Material Safety Data Sheets are available on all these products, and 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.