



Product Description

GCX 111278 Polypropylene (PP) Phosphorescent (Glow-in-the-Dark) Masterbatch

INTRODUCTION

GCX 111278 is 50% loaded Polypropylene Masterbatch that utilizes a class of newly developed phosphorescent (glow-in-the-dark) pigments which are based on Strontium Oxide Aluminate chemistry. They provide unique properties compared to conventional phosphorescent pigments which are either based on Zinc Sulfide or radioisotopes for their self-luminous properties

BENEFITS

- GCX 111278 is provided in masterbatch form to facilitate handling and processing
- Masterbatch allows customization by the end user in both performance and cost
- Afterglow period and brightness up to ten times (units in mcd) that of current Zinc Sulfide based phosphorescent pigments
- Excellent weather and light fastness
- Free of hazardous and radioactive substances
- Can be used to meet the various egress safety standards in the construction and transport industries for signage.
- Glow time of up to 8 hours

RECOMMENDED USAGE

Typical use levels range from 3 to 25% depending on application, process, part thickness, and desired performance.

STORAGE AND HANDLING

GCX 111278 does not require special storage or handling.

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This information is intended to be used only as a guideline for designers and processors of modified thermoplastics for injection molding. Because injection mold design and processing is complex, a set solution will not solve all problems. Observation on a "trial and error" basis may be required to achieve desired results.

Data are obtained from specimens molded under carefully controlled conditions from representative samples of the compound described herein. Properties may be materially affected by molding techniques applied and by the size and shape of the item molded. No assurance can be implied that all molded articles will have the same properties as those listed.

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