



## Product Description

# FCX 111263 Polyethylene (PE) Foaming Agent Masterbatch Endothermic

### INTRODUCTION

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Foaming agents, or chemical foaming agents (CFAs), are sometimes referred to as chemical blowing agents (CBAs) and are used to foam thermoplastic resins to impart a cellular structure to the material. Chemical foaming agents decompose to release gas when heated to their activation temperature. FCX 111263 is a high gas yield endothermic CFA to be used in injection molding and extrusion processes for weight reduction.

### BENEFITS

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- FCX 111263 is provided in masterbatch form to facilitate handling and processing
- Endothermic release of carbon dioxide gas which reduces cycle time and improves processing
- Weight Reduction
- High gas yield
- Imparts a uniform cell structure which promotes improved surfaces and property retention
- Rapid degassing
- No discoloration

### RECOMMENDED USAGE

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Typical use levels range from 0.25 to 3.0% depending on application, process, part thickness, and desired effects.

### STORAGE AND HANDLING

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FCX 111263 should be stored in closed containers in a cool and dry environment.

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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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