



**Endex International**

Innovation for the Future

## **ENDEX 1010™**

### High Temperature

### Endothermic Chemical Foaming Agent and Process Aid

Endex 1010™ is a high efficiency, pelletized concentrate in a thermoplastic polymer carrier. It is designed for use in moisture sensitive engineering plastics, especially POLYCARBONATE and PET. It is intended to be used at high processing temperatures, 205 - 315 °C (400 - 600 °F).

Endex 1010™ endothermic chemical foaming agent utilizes innovative technology to produce superior quality foamed products. It generates fine, closed-cell foams, which result in moldings and extrusions of high quality.

Endex 1010™ processing aid can be used in injection molding for cycle time reduction, improved polymer flow, improved weld line strength, and to eliminate molded-in stresses, warp and sinks marks.

Endex 1010™ is intended for use in a wide variety of processes, including:

**INJECTION MOLDING:** cycle time reduction, sink marks, warp reduction, shrink control.

**STRUCTURAL FOAM MOLDING (SFM):** GAS COUNTER-PRESSURE SFM.

**NITROGEN (SFM):** void reduction, consistent part weights, higher impact strength.

**GAS ASSIST, GAS INJECTION MOLDING:** flow enhancement, sink elimination.

**EXTRUSION:** Sheet, Film, and Profiles.

Endex 1010™ use levels will vary with the application, but the following guidelines can be used as a starting point. Optimization for each application is recommended:

- Structural Foam Molding 2.0 – 3.0%
- Sink Mark Elimination 0.3 – 0.5%
- Nitrogen SFM, Gas Assist-injection 0.3 – 0.5%
- Extrusion and Blow Molding 0.5 – 1.0%

Endex 1010™ has many advantages for the plastics processor, including:

- Fine cell structure
- Shorter cycle times
- Faster extrusion
- Thick, smooth skins in SFM
- Fast degassing
- Fast painting and decorating
- No plate-out on molds
- Beryllium-copper compatible
- G.R.A.S. or FDA sanctioned ingredients

Endex 1010™ is available in 1000 lb boxes.

## Contacting Endex International

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