



Endex International

Innovation for the Future

ENDEX 4233™

Endothermic Chemical Foaming Agent and Process Aid

Endex 4233™ is a high efficiency pelletized concentrate, in a thermoplastic polymer carrier. It is designed for use in both commodity and engineering plastics, and may be dried with the polymer if needed. It combines its endothermic properties, quality and efficiency, with versatility and cost-effectiveness.

Endex 4233™ endothermic chemical foaming agent utilizes innovative technology to produce superior quality foamed products. It generates very fine, closed-cell foams, which result in moldings and extrusions of high quality.

Endex 4233™ Processing Aid can be used in injection molding for cycle time reduction, improved polymer flow, reduced processing temperatures, improved weld line strength, and to eliminate molded-in stresses which cause warp and sinks.

Endex 4233™ is intended for use in a wide variety of processes, including:

- Injection molding for cycle time reduction, sink marks, warp reduction, shrink control.
- Structural Foam molding (SFM). Gas Counter-pressure foam molding.
- Nitrogen SFM for finer cell structures and extra weight reduction.
- Gas Assist molding for extra weight reduction and sink elimination.
- Extrusion of Sheet, Film, and Profiles.
- Blow Molding, Rotational Molding.

Endex 4233™ use levels will vary with the application, but the following guidelines can be used as a starting point. Optimization for each application is recommended:

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|------------------------------|-------------|--------|
| • Structural Foam Molding | Endex 4233™ | 1 - 2% |
| • Sink Mark Elimination | Endex 4233™ | 0.1 % |
| • Nitrogen Foam Molding | Endex 4233™ | 0.3 % |
| • Extrusion and Blow Molding | Endex 4233™ | 0.3 % |

Endex 4233™ 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 4233™ is available in 50 lb cartons, or 1000 lb boxes.

Contacting Endex International

Canada:

487 Westney Road South, Unit #8
Ajax, Ontario L1S 6W8
Phone: 905.686.4335
Fax: 905.686.6691

USA:

111 Main Street, Box 381
Kingston, Illinois, USA
60145
Phone: 815.784.2446
Fax: 815.784.6012

UK:

9 Abbey Close
Alcester, B49 5QW
Phone: 01 789 765762
Fax: 01 789 765572

You can also visit our website at: www.endexint.net or email us at info@endexint.net for more information.

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