

Milliken®

DeltaMax™ m100

Melt Flow Modifier for Polypropylene

TECHNICAL DATA

DeltaMax™ m100 is a high performance melt flow modifier designed for use in injection molded applications of polypropylene impact copolymers and in recycled polypropylene resins. DeltaMax™ m100 increases the melt flow rate (MFR) while providing equal or better impact performance to maximize the physical properties and processability of polypropylene.

Features and Benefits

- Improves processing and melt flow properties while maintaining impact properties.

Dosing Conditions

- DeltaMax™ m100 can be added machine side at the feed throat or hopper between 0.5% - 1.0%.
- DeltaMax™ m100 can be added to impact copolymer and recycled polypropylene resins.
- Not recommended for use in virgin homopolymer PP, virgin random copolymer PP or virgin/recycled polyethylene.

Processing Conditions

- Suggested processing temperature: 195 - 250°C (380 - 480°F).
- Increase in melt flow may cause flashing. This can be resolved by reducing temperature, back pressure and/or shot size.
- Once process is stabilized, cycle time and temperatures are expected to be lower.
- Maintain dosing below 2.0% to avoid excessive change in rheology, odor or other by-products.
- Purging required to avoid residual color and peroxide from DeltaMax.

Typical Properties

- **Appearance:** Orange/yellow color
- **Product Form:** Pellet masterbatch
- **Pellets per gram:** 45-55
- **Loading:** 0.5% - 1.0%



Packaging Options

- Fully recyclable, 500 kg cardboard gaylords.
- Fully recyclable, 20 kg bags.

Storage Guidelines

Product shelf life is 12 months from date of manufacture when not exposed to direct light, and product is kept dry and sealed when not in use. Product should always be stored below 40°C and away from sources of ignition such as flames or sparks.

Please contact your Milliken representative for further product information including chemical registrations, food contact status, and other regulatory details.

PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.

NORTH AMERICA
Spartanburg, SC, USA
Tel: 800-910-5592
Fax: 864-503-2430
millichem@milliken.com

EUROPE
Gent, Belgium
Tel: 32-9-265-1100
Fax: 32-9-265-1195
eurochem@milliken.com

LATIN AMERICA
Sao Paulo, Brazil
Tel: 55-11-3043-7942
Fax: 55-11-3043-7096
lachem@milliken.com

LATIN AMERICA
Mexico City, Mexico
Tel: 52-55-3088 3600
Fax: 52-55-9000 2643
lachem@milliken.com

ASIA
Singapore
Tel: 65-6377-0770
Fax: 65-6377-0990
asiachem@milliken.com

ASIA
Shanghai
Tel: 86-21 6145-5555
Fax: 86-21 6145-5558
asiachem@milliken.com

ASIA
Pune, India
Tel: 91.20.6730.7501
Fax: 91.20.6730.7514
asiachem@milliken.com