

# MULTIBASE™ HMB-6301 Masterbatch

Long-lasting slip performance without migration for BOPP film processing.



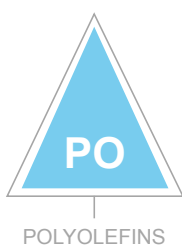
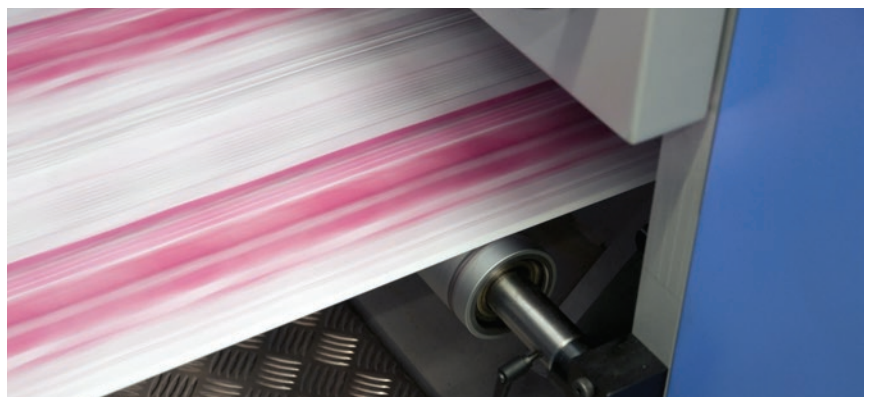
Coefficient of friction (CoF) is one of the main issues in processing bi-axially oriented polypropylene (BOPP) film for packaging production. CoF causes deformations and uneven film thickness, negatively affecting the film's appearance. This induces downtime and interrupts. Although standard slip additives are commonly used in the film industry, they cannot guarantee a consistent level of CoF, at elevated temperatures and over time.

There is another major drawback to standard slip additives such as organic waxes: they readily and continuously migrate from the surface of the film. This migration can increase the haze level of clear film and impact downstream processes such as printing and metallization.

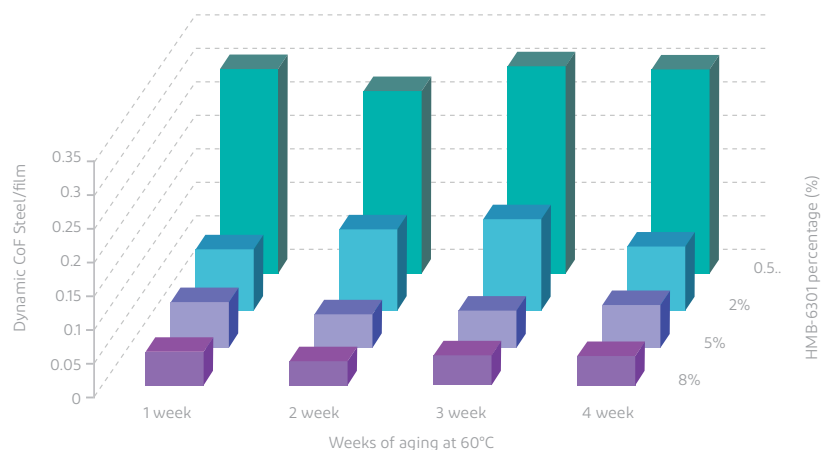
MULTIBASE™ HMB-6301 Masterbatch solves these issues. This silicone-based additive for BOPP immediately improves slip performance and remains stable over time and temperature.

## Features

- Low dynamic CoF at low loadings (example: 0.2-0.3 CoF in film on film at 2-5 wt %)
- Long-lasting, consistent slip performance
- Non-migrating across film layers
- No transfer of silicone on the corona-treated face when film is rolled
- Suitable for sequential and simultaneous BOPP processing
- Easy handling, free-flowing pellets



## Stable slip performance over time



## Advantages

- Reduces friction to enable higher throughput and productivity in BOPP film processing
- Delivers long-lasting stability to maintain consistent slip performance
- Prevents transfer to preserve film's ability to be printed and metallized
- Maintains optical properties of the film
- Controls costs with low loadings and use in only the outer layer of the film

## Target Applications

- BOPP films used in bags, wrappers, packages and pouches

## Target Customers

- BOPP film converters
- BOPP film processors

Further, MULTIBASE™ HMB-6301 Masterbatch is non-migrating and will not transfer from the film's silicone-treated face to the opposite corona-treated face. By avoiding impact on surface tension of the corona-treated face, the masterbatch preserves the effectiveness of printing and metallization. Also, this innovative product will not affect the optical properties of BOPP transparent film.

DuPont's advanced silicone technology can benefit BOPP film converters and processors by enhancing productivity, consistency and quality.

## Extend Properties, Enhance Processing, Reinforce Materials.

Combining an industry-leading portfolio of silicone-based additives and masterbatches -plus deep experience in serving the industries that use them -we can help you capture greater efficiencies in production while delivering more performance, durability and quality to your end-users.

To learn more about our wide range of plastics, visit [www.dupont.com/multibase](http://www.dupont.com/multibase) and contact us if you have any questions.

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