

# Polybatch NSL 10

## Slip regulator masterbatch



With regular scrap incorporation and growing demand for mechanically recycled polymer content in flexible packaging, converters face several challenges to deliver high-quality and consistent performance across applications. LYB is offering solutions to help address these challenges.

### The challenge

- Scrap film with slip additives - uncontrolled coefficient of friction (COF), blooming risk
- Post-consumer recycle (PCR) - additive residues carried over from prior use
- Heavy-duty sacks & transport packaging - migratory slip additives reduce COF, causing sack slippage, pallet instability and safety risks

### The solution: **Polybatch NSL 10**

- Absorbs and reduces migration of residual slip additives in scrap and PCR
- Stabilizes COF after film extrusion for safe handling and reliable performance
- Boosts circularity by enabling higher use of scrap and PCR content
- Flexible options available with PE or PP carrier resin

### Benefits at a glance

- Maintain packaging safety and pallet stability
- Increase recycled content without performance loss
- Reduce additive-related processing issues
- Broaden application flexibility across packaging

### The result

*Polybatch NSL 10 empowers converters to confidently incorporate recycled content into flexible packaging — delivering safe, stable and high-quality solutions for today's sustainability-driven market.*

### Product benefits

- Regulation of coefficient of friction
- Modification of scrap and post-consumer recycle
- Good processing in film extrusion
- Antiblocking properties

### Typical applications



Heavy duty sacks



Pallet cover films



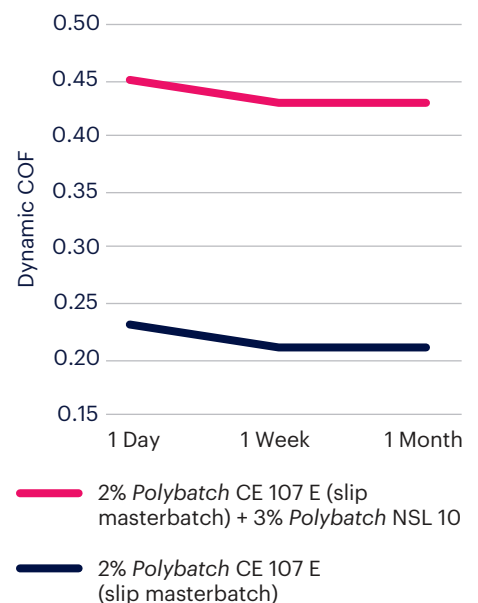
Industrial films



Building and construction films

### Performance of **Polybatch NSL 10**

Absorption of 1000 ppm slip in 50 micron LDPE cast film



# About us

We are LyondellBasell (LYB) – a leader in the global chemical industry creating solutions for everyday sustainable living. Through advanced technology and focused investments, we are enabling a circular and low carbon economy. Across all we do, we aim to unlock value for our customers, investors and society. As one of the world's largest producers of polymers and a leader in polyolefin technologies, we develop, manufacture and market high-quality and innovative products for applications ranging from sustainable transportation and food safety to clean water and quality healthcare. For more information, please visit [www.lyb.com](http://www.lyb.com) or follow [@LyondellBasell](https://www.linkedin.com/company/lyondellbasell) on LinkedIn.

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