

# BAEROPOL T-Blend

## Maintaining film properties while increasing PCR content

### Raise the quality standards of PCR-material for more profitable PE-film products

Producing film with post-consumer recyclate (PCR) presents many challenges in terms of reaching sufficient technical properties, good visual appearance and consistent production. Often the PCR needs to be diluted with virgin resin to compensate for its poor properties. BAEROPOL T-Blend is a multifunctional stabilizer blend that significantly widens the scope for how PCR can be used in film production.

#### Effects in PE PCR

- Fewer gels and pin-holes
- More stable melt flow
- Delays embrittlement
- Maintains color and mechanical properties

#### How you profit

- Better bubble stability
- Enables higher-end applications thanks to improved film quality
- Higher productivity due to process stability
- Reduced scrap rate and consistent film properties
- Longer shelf life
- Reduced yellowing

BAEROPOL T-Blend is intended to be added directly during film recycling, either in an in-house recycling line or by dedicated recyclers. Most film recycling lines are equipped for convenient addition of BAEROPOL T-Blend. If not, they can easily be retrofitted with a simple dosing system.



Pin-holes are a major contributor to high scrap rates and, if left unresolved, something that can result in customer claims.

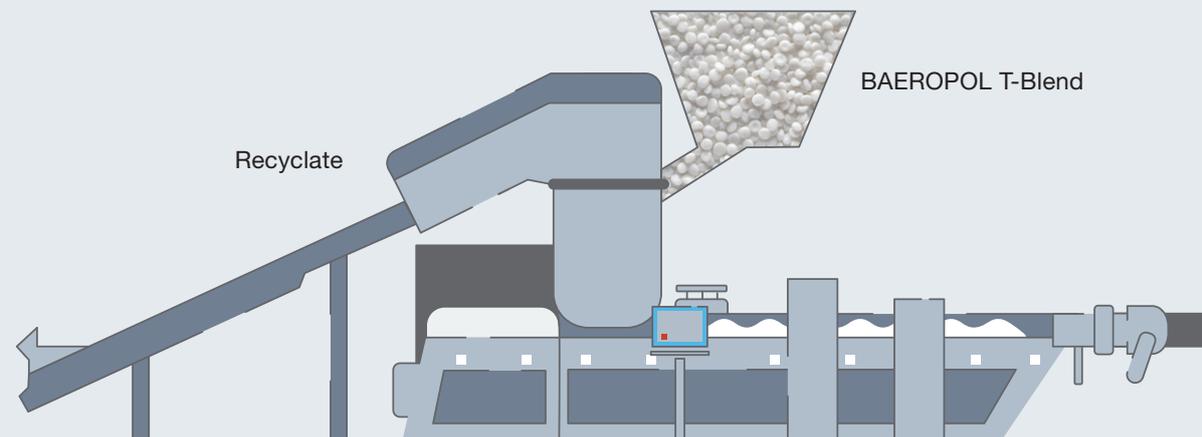


Frequent bubble collapse is a constant hassle when working with PCR. This can be significantly reduced with BAEROPOL T-Blend.

# Make more profitable PE-film recyclates and expand your market

## **BAEROPOL T-Blend**

### Premium recyclates allow your customers to use less virgin resin



BAEROPOL T-Blend is a cost effective, 100 % active-content stabilizer blend that comes in a convenient pastille form, completely without unnecessary carrier resin. When introduced directly during film recycling, it helps to produce a recyclate that brings significant benefits to the film converter, such as fewer gels, improved mechanical performance and a more stable production with lower scrap rate. This allows the film producer to use more recyclate instead of virgin resin and higher value products can be produced.

Using finer melt filters is one way to meet the ever-increasing quality requirements from film converters. With BAEROPOL T-Blend gel formation before the filter is suppressed, which counters escalating melt loss. It also protects the polymer from the degradation that occurs from the high temperatures associated with fine melt filters. By preserving more of the original polymer properties, the recyclate becomes less dependent on the quality of the input material.

#### **BAEROPOL T-Blend effects in PE PCR**

- Fewer gels
- More stable melt flow
- Minimized yellowing in translucent grades
- 100 % active content – competitive vs. masterbatches
- Improved mechanical properties of the final film
- Higher margin end products can be targeted

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BAEROPOL T-Blend comes as a dust free pastille, to be dosed on its own, or dry blended with masterbatch or product granules for accurate dosing with typical feeder systems.

we add character to plastics

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