BAEROPOL® T-Blend

Improve PCR quality and expand your market

Additives for Recycling

Increase recycled content – maintain performance & processability

Recycling is a hot topic in the polymer industry. Brands and customers are asking for recycled plastics in packaging and other applications, and regulations are requiring them as well.

Adding under-stabilized post-consumer or post-industrial recycled (PCR/PIR) content to formulations can affect material quality, processing throughput and consistency, and end use performance and durability.

Stabilization additives play a key role in optimizing recycled materials.

How Recyclers Benefit:

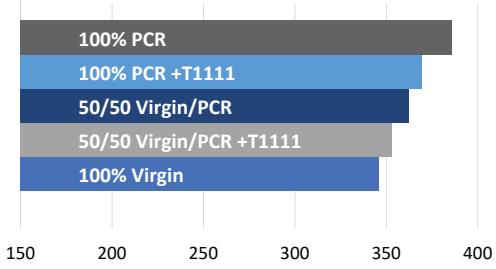
- Protect against degradation during processing
- Produce higher-quality recyclate
- Encourage greater use of recycled material
- Increase percentage of PCR in polyolefin packaging compared to non-stabilized material

How Converters Benefit:

- Improve material performance, consistency and aesthetics
- Accelerate throughput and reduce scrap
- Permit lightweight, thin-wall designs
- Expand use to new or higher-end applications

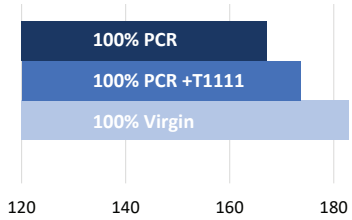
Drop In Comparison

Bottle Weight (grams)



Optimized Processing Conditions

Crush Force (Max Lbf)



we add character to plastics

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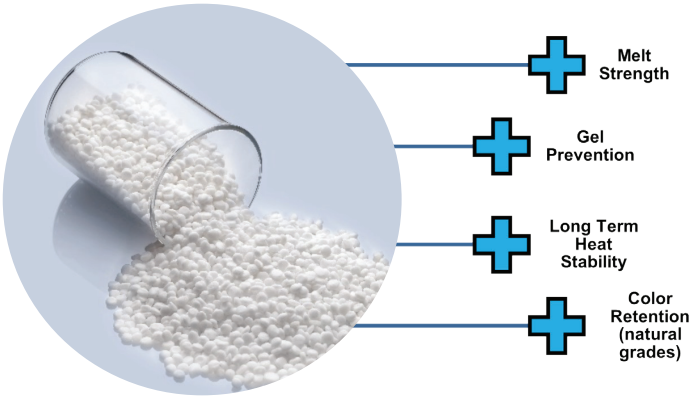
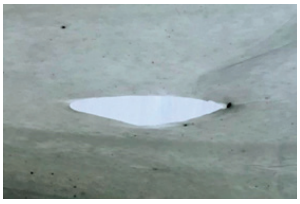
About BAEROPOL T-Blends

This family of blended synergistic stabilizers are pre-formulated to provide economical, high-performance stabilization for recycled polyolefins. T-Blends are neat additives supplied as pre-blends for ease of use. They are added directly during melt filtration.

Product Features & Benefits:

- Low-dusting forms for safe and easy handling, dosing and dry blending
- Can be combined with other additives in convenient, customized one-packs
- Fewer defects (large gels, pinholes) and less bubble breakage
- Cost-effective vs. masterbatches



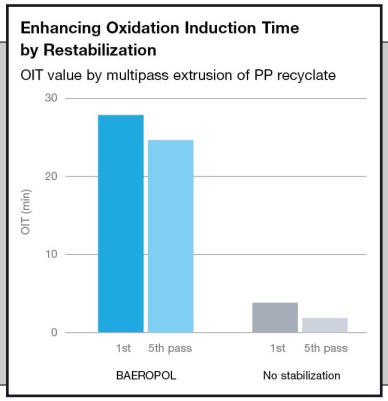


Pin-holes are a major contributor to high scrap rates and, if left unresolved, can result in customer claims.

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

Restabilization Improves OIT

Oxidation Induction Time (OIT) measures how much active stabilizer remains in a polymer. Often, the base stabilizer added to a virgin resin is depleted during the first use. The recycling process can further reduce or eliminate residual stabilization through heat, shear forces and stress. BAEROPOL T-Blends replace lost stabilization additives in PCR/PIR, helping to optimize the recycling process, the material and the final application. Integrating T-Blend at the production stage enhances the OIT and acid neutralization capabilities of virgin resin, setting the stage for its subsequent inclusion in PCR content during the conversion process.



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