



Press Release

Baerlocher's BAEROPOL T-Blend Stabilizer Adds Value to Film Recyclate Processed by EREMA's Newest Dual-Filtration Machine

ORLANDO, Fla. – May 7, 2024 – [Baerlocher USA](#), part of the Baerlocher Group, a leading global supplier of plastics additives, announced here at NPE2024 (booth #S35171) the results of testing to determine whether [BAEROPOL T-Blend](#) 1214 TX stabilizer can enhance polyethylene (PE) film made with post-consumer recycled (PCR) material that is processed using state-of-the-art filtration technology. In collaboration with Austria's [EREMA](#) Group, Baerlocher added the T-Blend product to waste packaging film, which was then processed using EREMA's new [INTAREMA® TVEplus® DuaFil® Compact](#) machine. Evaluation of sample film made from a blend of the recycled material and virgin resin showed additional quality increase using the T-Blend stabilizer.

“Our new DuaFil® Compact technology has raised the bar in degassing and filtration efficiency and thus pellet quality for recycled film used in applications such as shrink film, stretch film or consumer bags,” said Clemens Kitzberger, business development manager, Post-Consumer Applications, EREMA Group. “However, film recycling involves many variables, some of which may require stabilization additives. Baerlocher's market-leading technology works beautifully with our new equipment to further improve film appearance and quality. We look forward to continuing our collaboration with Baerlocher to bring the highest-quality recycled polyolefins to the market.”

The INTAREMA® TVEplus® DuaFil® Compact is on display at the EREMA booth (#W4471).

“BAEROPOL T-Blend 1214 TX stabilizer is widely requested by converters seeking to reduce gel content and improve the overall performance of films containing PCR content,” said Chad Harlan, strategic business unit director, Special Additives, Baerlocher USA. “To evaluate its continued benefits for film recycling in light of new technology advancements, we tested the T-Blend additive on the most sophisticated filtration equipment available today. We were pleased – but not surprised – to see that our T-Blend product is still the right solution for adding value to recycled film.”



Reducing Large Gel Coverage by Nearly 50 Percent

For the test, a standardized film fraction (DSD 310) of European curbside collected packaging waste was recycled with 0.3 percent of BAEROPOL T-Blend 1214 TX stabilizer using the INTAREMA® TVEplus® DuaFil® Compact. The film was formulated with 20 percent recycle in a low-density polyethylene (LDPE) resin to produce the packaging for evaluation. Film without the T-Blend additive was also produced for comparison. Automated counting of large defects (160 um and above) revealed that the film containing T-Blend stabilized PCR content had a much better visual appearance than the reference film, which had a 45 percent greater surface area affected by large gels. These large gels are primarily responsible for degrading the visual appearance of PE film and causing operational issues.

The INTAREMA® TVEplus® DuaFil® Compact features a lower melt temperature and reduced energy consumption compared to earlier versions of the equipment. It also ensures gentle melt handling and the finest, double filtered and optimally degassed recycled pellets.

BAEROPOL T-Blends are a family of blended synergistic stabilizers preformulated to provide superior stabilization for most polymer applications. They provide excellent polymer solubility and hydrolytic stability. BAEROPOL T-BLENDS can enhance the melt flow of recycled polymers and prime resin compounds, and improve the aesthetics, performance and useful life of end applications.

For more information, please contact Roberto Nunez (nunez.roberto@baerlocher.com) or Elayna Simmons (simmons.elayna@Baerlocher.com).

About Baerlocher:

The Baerlocher Group is a leading manufacturer of additives for the plastics industry. Its portfolio includes a broad range of stabilizers and other additives suitable for a variety of polymer and non-polymer applications.

Baerlocher USA delivers tailored solutions in a reliable, supportive, and ethical manner by investing in our people, customers, and markets while adapting to changing needs.

Baerlocher embraces the principles of responsible care. It operates an ISO 9001 certified quality management system and an environmental management system compliant with ISO 14001. Baerlocher plays a positive role in both the business community and society as a whole. This includes work within industry associations, and the provision of training opportunities in a variety of disciplines.

The Baerlocher Group has production plants around the globe and operates a sales network serving all major countries.

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For more information, please visit www.baerlocher.com.

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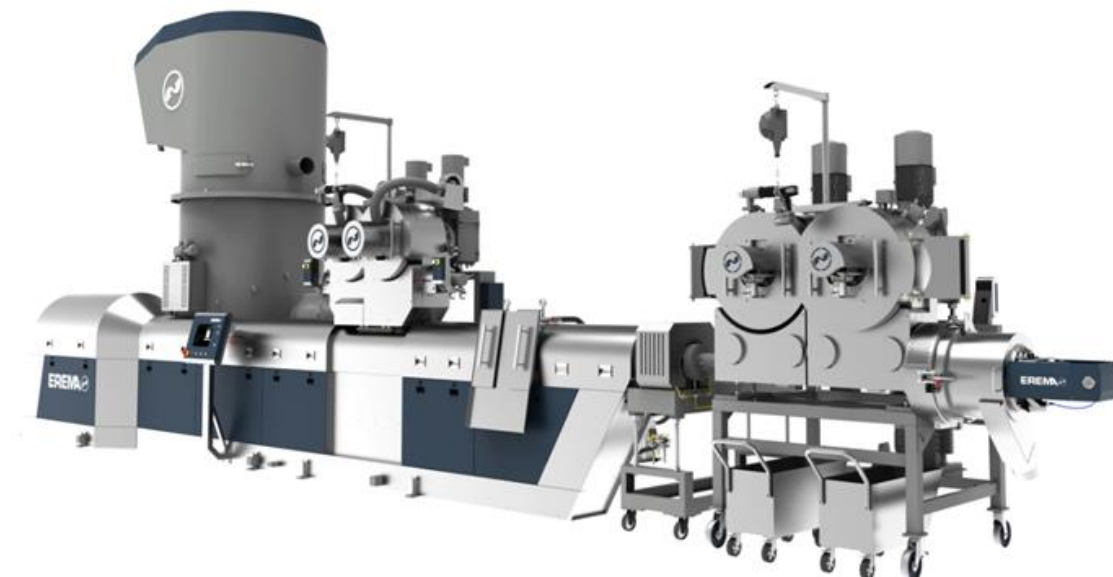
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Photo Caption



Baerlocher USA's BAEROPOL T-Blend 1214 TX stabilizer can enhance PE film made with PCR material that is processed using the INTAREMA® TVEplus® DuaFil® Compact state-of-the-art filtration technology. (Photo courtesy of EREMA.)