

# PureCycle Completes Additional BOPP Film Trials With Brückner

## *PCR-Based Film Suitable for Food Packaging and Labels*

ORLANDO, Fla., Sept. 09, 2025 (GLOBE NEWSWIRE) -- [PureCycle Technologies, Inc.](#) (Nasdaq: PCT) announced today the successful completion of larger-scale trials with PureFive™ resin in biaxially oriented polypropylene (BOPP) film. 16,000 meters of nearly 1-meter-wide BOPP film, at various thicknesses, was produced over two days. The latest trials were conducted in August by Germany-based Brückner Maschinenbau GmbH, the world's leading supplier of production lines for manufacturing a wide range of stretched films.

During the trials, the PureFive™ resin performed similarly to virgin polypropylene (PP) on Brückner's film line that runs at 40 meters per minute. The trials were conducted with PureFive Choice™ resin that contained 50% post-consumer recycled (PCR) content.

Two different types of film were made during the trials. A 25 micron, multi-layer film was produced with the PureFive™ resin comprising as much as three of the five layers. This type of film is commonly used in food packaging. Additionally, a thicker film of approximately 50 microns was produced for companies that make labels. The film samples are now being shared with potential customers.

PureCycle CEO Dustin Olson said, "We are thrilled by the results of these latest trials with Brückner. This opens an entirely new application segment for our team for both Ironton and future facilities. Our team has the film in hand, and we are now sharing it with brand owners who can have confidence in running industrial trials at their own facilities." Olson added, "I really appreciate the Brückner team for their work on this project. They've been incredible to work with, and I know they also see this as a breakthrough for companies around the world that have been looking for a way to introduce PCR content into BOPP film."

BOPP film has a wide range of end-use applications, including food packaging for snacks, candy and baked goods. It is also used for labeling and adhesive tape. BOPP film is popular in these applications due to its transparency and moisture and chemical resistance.

Head of the Technology Center at Brückner Siegsdorf Dr. Markus Koppers said, "These latest trials with PureFive™ resin are a big step forward for the industry. PureCycle is proving that a dissolution recycling process can take post-consumer curbside waste and transform it into a recyclate that can perform like virgin polypropylene in applications where the technical properties are incredibly stringent."

### **About PureCycle Technologies**

PureCycle Technologies LLC., a subsidiary of PureCycle Technologies, Inc., holds a global license for the only patented dissolution recycling technology, developed by The Procter & Gamble Company (P&G), that is designed to transform polypropylene plastic waste (designated as #5 plastic) into a continuously renewable resource. The unique purification

process removes color, odor, and other impurities from #5 plastic waste resulting in our PureFive™ resin that can be recycled and reused multiple times, changing our relationship with plastic. [www.purecycle.com](http://www.purecycle.com)

### **Forward-Looking Statements**

This press release contains forward-looking statements, including statements about the continued execution of PureCycle's business plan, the expected results of tests and trials, the expected timing of commercial sales, and planned future updates. In addition, any statements that refer to projections, forecasts or other characterizations of future events or circumstances, including any underlying assumptions, are forward-looking statements. Forward-looking statements generally relate to future events or PureCycle's future financial or operating performance and may refer to projections and forecasts. Forward-looking statements are often identified by future or conditional words such as "plan," "believe," "expect," "anticipate," "intend," "outlook," "estimate," "forecast," "project," "continue," "could," "may," "might," "possible," "potential," "predict," "should," "would" and other similar words and expressions (or the negative versions of such words or expressions), but the absence of these words does not mean that a statement is not forward-looking.

The forward-looking statements are based on the current expectations of PureCycle's management and are inherently subject to uncertainties and changes in circumstances and their potential effects and speak only as of the date of this press release. There can be no assurance that future developments will be those that have been anticipated. These forward-looking statements involve a number of risks, uncertainties or other assumptions that may cause actual results or performance to be materially different from those expressed or implied by these forward-looking statements. These risks and uncertainties include, but are not limited to, those factors described in the section entitled "Risk Factors" in each of PureCycle's Annual Report on Form 10-K for the fiscal year ended December 31, 2024 and PureCycle's Quarterly Reports on Form 10-Q for various quarterly periods, those discussed and identified in other public filings made with the Securities and Exchange Commission by PureCycle and the following: PCT's ability to obtain funding for its operations and future growth and to continue as a going concern; PCT's ability to meet, and to continue to meet, applicable regulatory requirements for the use of PCT's PureFive™ resin in food grade applications (including in the United States, Europe, Asia and other future international locations); PCT's ability to comply on an ongoing basis with the numerous regulatory requirements applicable to the PureFive™ resin and PCT's facilities (including in the United States, Europe, Asia and other future international locations); expectations and changes regarding PCT's strategies and future financial performance, including its future business plans, expansion plans or objectives, prospective performance and opportunities and competitors, revenues, products and services, pricing, operating expenses, market trends, liquidity, cash flows and uses of cash, capital expenditures, and PCT's ability to invest in growth initiatives, which could be impacted by significant changes to tariffs on foreign imports; the ability of PCT's first commercial-scale recycling facility in Lawrence County, Ohio, the Ironton Facility, to be appropriately certified by Leidos, following certain performance and other tests, and commence full-scale commercial operations in a timely and cost-effective manner, or at all; PCT's ability to meet, and to continue to meet, the requirements imposed upon it and its subsidiaries by the funding for its operations, including the funding for the Ironton Facility; PCT's ability to minimize or eliminate the many hazards and operational risks at its manufacturing facilities that can result in potential injury to individuals, disrupt its business (including interruptions or disruptions in operations at its

facilities), and subject PCT to liability and increased costs; PCT's ability to complete the necessary funding with respect to, and complete the construction of its new polypropylene recycling facility in Thailand, its first commercial-scale European plant located in Antwerp, Belgium, and the multi-line purification facility to be built in Augusta, Georgia in a timely and cost-effective manner; PCT's ability to execute its growth plan to bring an additional one billion pounds of installed polypropylene recycling capability online before 2030, including its ability to meet related construction, regulatory, and financing requirements; PCT's ability to procure, sort and process polypropylene plastic waste at its planned plastic waste prep facilities; PCT's ability to maintain exclusivity under The Procter & Gamble Company license; the implementation, market acceptance and success of PCT's business model and growth strategy; the success or profitability of PCT's offtake arrangements; the potential impact of economic, business, and/or competitive factors, including interest rates, availability of capital, economic cycles, and other macro-economic impacts (such as tariffs); changes in the prices and availability of materials (such as steel and other materials needed for the construction of future PreP and purification facilities), including those changes caused by inflation, tariffs and supply chain conditions, such as increased transportation costs, and our ability to obtain such materials in a timely and cost-effective manner; the ability to source feedstock with a high polypropylene content at a reasonable cost; PCT's future capital requirements and sources and uses of cash; developments and projections relating to PCT's competitors and industry; the outcome of any legal or regulatory proceedings to which PCT is, or may become, a party including the securities class action and putative class action cases; geopolitical risk and changes in applicable laws or regulations; the possibility that PCT may be adversely affected by other economic, business, and/or competitive factors, including interest rates, availability of capital, economic cycles, and other macro-economic impacts; turnover in employees and increases in employee-related costs; changes in the prices and availability of labor (including labor shortages); any business disruptions due to political or economic instability, pandemics, armed hostilities (including the ongoing conflict between Russia and Ukraine and the conflict in the Middle East); the potential impact of climate change on PCT, including physical and transition risks, higher regulatory and compliance costs, reputational risks, and availability of capital on attractive terms; and operational risk.

PCT undertakes no obligation to update any forward-looking statements made in this press release to reflect events or circumstances after the date of this press release or to reflect new information or the occurrence of unanticipated events, except as required by law.

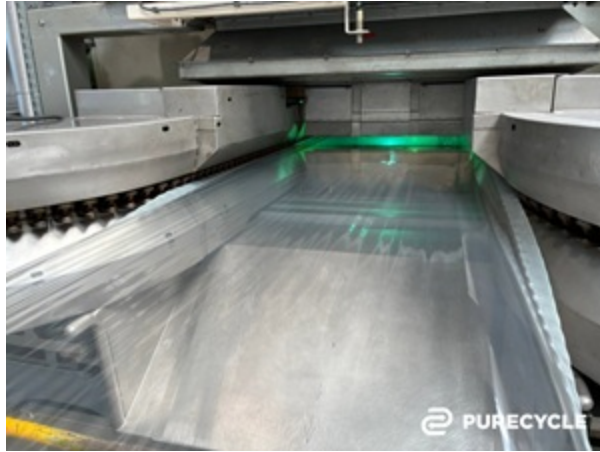
Should one or more of these risks or uncertainties materialize or should any of the assumptions made prove incorrect, actual results may vary in material respects from those projected in these forward-looking statements. You should not rely upon forward-looking statements as predictions of future events.

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### **PureFive™ Resin Transformed Into BOPP Film at Brückner**



**PureCycle's PureFive™ resin was transformed into 16,000 meters of BOPP film during the latest trials at Brückner.**

Source: PureCycle Technologies