



Scaling Dissolution Recycling: PureCycle's Global Progress Toward a Circular Economy for Polypropylene

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PureCycle Technologies continues to scale its patented, dissolution recycling technology worldwide, advancing new facilities around the globe, commercial applications, and industry standards for high-quality and low-carbon post-consumer recycled polypropylene (rPP).

In Antwerp, Belgium, PureCycle recently filed its permit application and secured European Investment Fund (EIF) grant support earlier in 2026. The updated project timeline anticipates construction beginning in 2027, with the facility coming online in 2029, ahead of PPWR and ELVR recycled content mandates, reinforcing PureCycle's commitment to building recycling capacity across Europe.

Kommentiert [WS1]: PureCycle aims to submit the Antwerp permit application by October 2026, so by the time of the ARC this milestone should be behind us.

Expanding into Southeast Asia, PureCycle is advancing a new facility in Rayong, Thailand, with startup targeted for early 2028. This will extend the reach of PureCycle's dissolution recycling technology into a key Asian manufacturing hub and help reduce the amount of plastic waste that is destined for landfill or leaked into the environment.

In the United States, commercialization continues to accelerate across consumer categories. Recent examples include IPL containers for Cleveland Kitchen that are on store shelves across the country or Churchill Container's souvenir cups that have been used at professional football and baseball stadiums. The first shipment of PureFive® resin was made to Procter & Gamble's converter for commercial production of detergent caps for select bottles of Tide. The resin has also passed all qualifications for child-proof closures for Vicks' Zzzquil gummy bottles. Plastic Ingenuity, North America's largest custom thermoformer, has commercialized white and clear coffee lids and are offering them to customers looking to comply with impending packaging regulations in a variety of US-states.

A dedicated spotlight on the automotive sector will highlight PureCycle's collaboration with Motherson and with Volkswagen, showcasing bumper prototypes manufactured using PureFive® recycled polypropylene. This is an important proof point for automotive-grade performance and a pathway toward broader OEM adoption with the looming ELV regulations in Europe.

Finally, this presentation will cover PureCycle's engagement with the PRE (Plastics Recyclers Europe) Taskforce on Dissolution Recycling, participation in the DROP-IN initiative, and ongoing collaboration with the ISO committee to update ISO 15270 and develop the physical recycling standard under ISO 15270-3. All of this work is helping define global technical standards for dissolution and physical recycling processes.

Together, these updates illustrate PureCycle's continued progress toward commercial scale, geographic expansion, and industry standardization. Together, it is positioning dissolution recycling as a viable path to introduce high-performance recycled material across packaging, consumer goods, and automotive markets.

Speaker: Wiebe Schipper, Vice President of European and Asia Pacific Operations