

# Luminy® PLA made from chemically recycled feedstock now commercially available

Total Corbion PLA has launched the world’s first commercially available chemically recycled bioplastics product. The Luminy® recycled PLA grades boast the same properties, characteristics and regulatory approvals as virgin Luminy® PLA, but are partially made from post-industrial and post-consumer PLA waste. Total Corbion PLA is already receiving and depolymerizing reprocessed PLA waste, which is then purified and polymerized back into commercially available Luminy® rPLA.

The commercial availability of recycled PLA (rPLA) offers brandowners the opportunity to make products from rPLA, with the luxury of having original food contact and other certifications in place. Using rPLA can contribute to meeting the recycled content targets of brand owners.

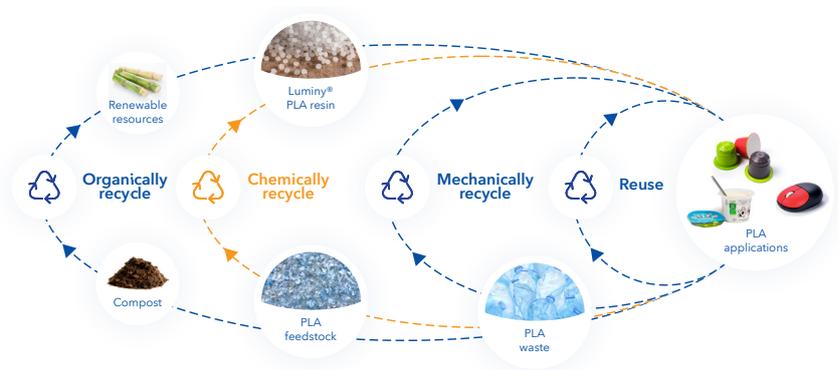


Photo 1: The closed-loop end-of-life solutions enabled when using Luminy® PLA now also include chemical recycling.

Thomas Philipon, CEO at Total Corbion PLA, sees this as a logical step towards an even more sustainable offering: *“Our company’s vision is to create a better world for today and generations to come. This ability to now efficiently receive, repurpose and resupply PLA is a further demonstration of the sustainability of our product and the demonstration of our commitment to enable the circular economy through value chain partnership.”*



Photo 2: Gerrit Gobius du Sart, Corporate Scientist at Total Corbion PLA, inspects the first batch of chemically recycled Luminy® rPLA pellets.

François de Bie, Senior Marketing Director at Total Corbion PLA is proud to launch this new product line of Luminy® PLA and encourages interested parties to get in touch: *“The ability to chemically recycle post-industrial and post-consumer PLA waste allows us to not only reduce waste, but also keep valuable resources in use and truly ‘close the loop’. For our customers, the new, additional end-of-life avenue this provides could be the missing piece in their own sustainability puzzle, and we look forward to solving these challenges together.”*

As an initial offering, grades will be supplied with 20% recycled content using the widely accepted principles of mass balance. *“As we are currently ramping up this initiative, the initial volumes are limited but we are confident that rPLA will grow to be a significant part of our overall sales revenues”*, states de Bie. Currently, Looplife in Belgium and Sansu in Korea are among the first active partners that support collecting, sorting and cleaning of post-industrial and post-consumer PLA waste. The resulting PLA feedstock is then used by Total Corbion PLA to make new Luminy® PLA polymers via the chemical recycling process. Total Corbion PLA is actively looking for additional partners from around the world that will help to close the loop. We invite interested parties to contact their local sales representative.



Photo 3: Sansu are one of the first PLA customers to provide reprocessed PLA waste to Total Corbion PLA for chemical recycling at the end-of-life of their bioplastic water bottles. <http://www.sansu.co.kr>

Total Corbion PLA expects that the growing demand for rPLA will also boost the



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collecting, sorting and reprocessing of post-use PLA for both mechanical and chemical recycling, as de Bie explains further: “At Total Corbion PLA, we are actively seeking to purchase more post-industrial and post-consumer PLA waste, creating value for the recycle industry as a whole.”

**For more information on how to sample or order recycled PLA grades, please contact us.**

### END PRESS RELEASE

Photos available to download here (link valid 7 days from publication date): <https://we.tl/t-3KmCowCRFz>

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#### About Total Corbion PLA

Total Corbion PLA is a global technology leader in Poly Lactic Acid (PLA) and lactide monomers. PLA is a biobased and biodegradable polymer made from annually renewable resources, offering a reduced carbon footprint versus many traditional plastics. The Luminy® PLA portfolio, which includes both high heat and standard PLA grades, is an innovative material that is used in a wide range of markets from packaging to consumer goods, fibers and automotive. Total Corbion PLA, headquartered in the Netherlands, operates a 75,000 tons per year PLA production facility in Rayong, Thailand and has recently announced the intention to build a second plant in Grandpuits, France. The company is a 50/50 joint venture between TotalEnergies and Corbion. [www.total-corbion.com](http://www.total-corbion.com)



#### About TotalEnergies

TotalEnergies is a broad energy company that produces and markets energies on a global scale: oil and biofuels, natural gas and green gases, renewables and electricity. Our 105,000 employees are committed to energy that is ever more affordable, clean, reliable and accessible to as many people as possible. Active in more than 130 countries, TotalEnergies puts sustainable development in all its dimensions at the heart of its projects and operations to contribute to the well-being of people.

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#### About Corbion

Corbion is the global market leader in lactic acid and its derivatives, and a leading supplier of emulsifiers, functional enzyme blends, minerals, vitamins, and algae ingredients. We use our unique expertise in fermentation and other processes to deliver sustainable solutions for the preservation of food and food production, health, and our planet. For over 100 years, we have been uncompromising in our commitment to safety, quality, innovation and performance. Drawing on our deep application and product knowledge, we work side-by-side with customers to make our cutting-edge technologies work for them. Our solutions help differentiate products in markets such as food, home & personal care, animal nutrition, pharmaceuticals, medical devices, and bioplastics. In 2020, Corbion generated annual sales of € 986.5 million and had a workforce of 2,267 FTE. Corbion is listed on Euronext Amsterdam. [www.corbion.com](http://www.corbion.com)

**Luminy®**

PLA bioplastics for a brighter future  
Biobased • Compostable • Innovative

#### Total Corbion PLA bv

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