

Packaging made from greenhouse gases

DUSSELDORF, Germany, 1 May 2023 – At **Interpack** TotalEnergies Corbion will exhibit and present its Luminy® PLA portfolio. Luminy® PLA is made from annually renewable biomass, which growth absorbs CO₂ from the atmosphere. As a viable solution for a range of packaging applications, PLA contributes to reducing greenhouse gases.

Luminy® PLA is a biobased material with a 75% reduced carbon footprint as compared to traditional plastic materials. Furthermore, TotalEnergies Corbion also offers recycled Luminy® rPLA., which contains 20% and 30% post-industrial and post-consumer recycled content in line with ISO 22095 standard. rPLA is sourced from a mix of pre- and post-consumer recycled materials. The material quantification is based on a mass-balance allocation accessed and validated by third-party certification body SCS Global Services.

"As part of our ["Stay in the Cycle" campaign](#) we have set up a number of closed loop systems where for example Luminy PLA cups and bottles are collected, sorted and cleaned and again used as raw material to make virgin quality Luminy PLA," says François de Bie, Senior Global Marketing Director. He added "Already ahead of impending Packaging and Packaging Waste regulations we are offering 20% and 30% recycle content containing Luminy® PLA to interested parties." The third party certified rPLA is commercially available, has identical properties as virgin Luminy® PLA, and comes with food contact certifications. Companies like Coexpan, Sansu and Esol are already actively offering products made from Luminy PLA containing up to 30% PLA recycle.

Alternatively, a viable end of life option for PLA is composting. "While compostable tea bags and coffee pods are already widely in use in the Netherlands, we see now an EU wide adoption advancing rapidly," said François de Bie. Compostable tea bags and coffee pods reduce plastic contamination of compost and prevent valuable organic biomass from ending up in landfill or incinerated. Recently, our collaboration with Danimer Scientific resulted in the launch of home compostable compounds for a range of packaging applications, which are available in the market.

At the Interpack TotalEnergies Corbion stand in Hall 9 of the Messe Dusseldorf, visitors can experience these innovations, including Group Ati coffee pods made using Luminy® PLA and PLA compostable ice cream cups and spoons by Florida SRL. **All visitors are invited for Drinks & Bites on the inauguration day, Thursday 4th May from 15hrs, and again on Monday the 8th from 15hrs at stand E01 in Hall 9.**

Interpack is the number one international packaging fair for the sectors food, beverages, confectionery, bakery, pharmaceuticals, cosmetics, non-food and industry. The tradeshow is from May 4 to 10. TotalEnergies Corbion looks forward to joining forces with existing and new customers to transition to PLA and improve its circularity with closed loop systems.

END PRESS RELEASE



Coffee pods made of PLA and Luminy® PLA lifecycle

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About TotalEnergies Corbion

TotalEnergies Corbion 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 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. TotalEnergies Corbion, 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.totalenergies-corbion.com

About TotalEnergies

TotalEnergies is a global multi-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, cleaner, more 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. www.totalenergies.com

About Corbion

Corbion is a sustainable ingredients company dedicated to preserving what matters, including food and food production, health, and the planet. We specialize in lactic acid, lactic acid derivatives, food preservation solutions, functional blends, and algae ingredients, using our deep application and product knowledge to propel nature's ingenuity through science. With more than a century of experience, we continue working side-by-side with our customers to make our cutting-edge technologies work for them. Leveraging our advanced capabilities in fermentation and preservation technology, we help customers differentiate their products in diverse markets ranging from food and animal nutrition to home & personal care, pharmaceuticals, electronics, medical devices, and bioplastics. In 2022, Corbion generated annual sales of €1,457.9 million with a workforce of 2,601 FTEs. Corbion is listed on Euronext Amsterdam. For more information: www.corbion.com

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