



## New Light Weight PLA High Temperature 3D filament

**Gorinchem** – A new generation of Luminy® PLA based filaments has been launched by colorFabb. The new Light Weight (LW) PLA High-Temperature 3D print filament was the result of a joint development between TotalEnergies Corbion and colorFabb. The new filament allows for printing lighter weight and higher heat resistant parts.

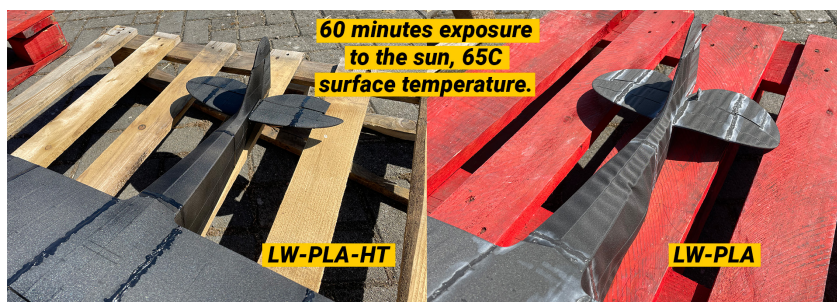
Enthusiasts of Remote Control (RC) planes can now design and produce 3D planes that will withstand high sun temperatures. For this formulation colorFabb incorporated Luminy® PLA technology to boost temperature resistance in their already existing light weight PLA 3D printing filament. While heat exposure still needs to be controlled, prolonged heat stability allows the planes not to be deformed quickly as the original LW-PLA.

“Good collaboration with customers is essential to develop new applications that fulfill market demand. Understanding product goals and requirements is essential to come to solutions that solve practical challenges”, said Vladislav Jašo, Application Specialist at *TotalEnergies Corbion*. “The openness and exchange of information were crucial to deliver results” he added. TotalEnergies Corbion Research and Development laboratories facilitated a speedy optimization of the new formulation, delivering high heat resistance, while still allowing for excellent 3D printability and low weight.

“The new formulation exceeded our expectation during the real-world test. Within minutes the original LW-PLA printed parts started to deform, literally in front of our eyes, but the new formulation kept its shape well over time.” said Gijs Houdijk, Head of Additive Manufacturing at colorFabb. “The team of experts at TotalEnergies Corbion knew exactly what we needed and were able to speed up our R&D effort.”

The new Light Weight PLA High-Temperature 3D print filament is easier to use than other filaments. Made of Luminy® PLA, it has a much better carbon footprint than other alternatives, and it is not toxic. Making it the right choice for 3D printing – safe and environmentally friendly.

### END PRESS RELEASE



In comparison with the previous version of the filament, the new Light Weight PLA High-Temperature 3D print filament, made with Luminy® PLA, stood the heat without deformation by the sun.



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**About TotalEnergies Corbion**

TotalEnergies Corbion (formerly known as 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. 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](http://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](http://www.totalenergies.com)

**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)

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