



Full stereocomplex PLA technology now commercially available from Total Corbion PLA

Total Corbion PLA, global technology leader in Poly Lactic Acid (PLA), announces the launch of a novel technology that can create full stereocomplex PLA in a broad range of industrial applications. The proprietary technology will enable PLA applications able to withstand temperatures close to 200°C (HDT-A). Samples of glass fiber reinforced stereocomplex PLA will be made available to those wanting to test the new technology for their applications.

The new technology enables stereocomplex PLA – a material with long, regularly interlocking polymer chains that enable an even higher heat resistance than standard PLA. This breakthrough in PLA temperature resistance unlocks a range of new application possibilities, and provides a biobased replacement for PBT and PA glass fiber reinforced products. For example, injection molded applications for under-the-hood automotive components can now be made from glass fiber reinforced stereocomplex PLA, offering both a higher biobased content and a reduced carbon footprint. The technology can offer these same sustainability benefits to the wider automotive, aerospace, electronics, home appliance, marine and construction industries.

“Over the past decades, the benefits of full stereocomplex PLA have been studied by universities and R&D departments on a laboratory scale”, says Stefan Barot, Senior Business Director Asia Pacific. “Now, Total Corbion PLA is the first company to scale up this technology and make it available for a broad range of industrial applications. The technology enables full stereocomplex morphology not only in the lab environment but also in commercial production facilities”.

Commercial samples of full stereocomplex PLA will soon be made available for customer evaluation. Total Corbion PLA is looking for brand owners, converters and compounders that wish to validate and capitalize on this new technology.

For more information on full stereocomplex PLA technology, on Luminy® PLA in general or to obtain sample material for trials, please contact us. Alternatively, visit the Total Corbion PLA booth at NPE in Orlando, USA this May (S35085).

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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, will start up a new production plant in Thailand in the second half of 2018. The company is a 50/50 joint venture between Total and Corbion.

www.total-corbion.com

About Total

Total is a global integrated energy producer and provider, a leading international oil and gas company, and a major player in solar energy with SunPower and Total Solar. Its 98,000 employees are committed to better energy that is safer, cleaner, more efficient, more innovative and accessible to as many people as possible. As a responsible corporate citizen, Total focuses on ensuring that its operations in more than 130 countries worldwide consistently deliver economic, social and environmental benefits.

www.total.com

About Corbion

Corbion is the global market leader in lactic acid and lactic acid derivatives, and a leading company in emulsifiers, functional enzyme blends, minerals and vitamins. The company develops sustainable solutions to improve the quality of life for people today and generations to come. Corbion's solutions help differentiate products in markets such as food, home & personal care, pharmaceuticals, medical devices and bioplastics. In 2017, Corbion generated annual sales of € 891.7 million and had a workforce of 1,794 FTE. Corbion is listed on the Euronext Amsterdam.

www.corbion.com

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