

Bioplastics product profile

PLA injection molded single-serve capsules



Luminy® PLA for single-serve capsules:

- Biobased
- Reduced carbon footprint
- Compostable
- Recyclable
- Can withstand boiling water

Working together, a number of our partners in the value chain have been the first in the world to have developed a bioplastic alternative for single-serve coffee- and tea capsules. The new capsules are made from PLA, (Poly Lactic Acid) based on Luminy® neat PLA resins.

The bioplastic capsules are intended as a more sustainable, biobased alternative to traditional, aluminium-based capsules. Furthermore, they are industrially compostable according to EN13432.



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 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 entered the engineering stage for a second plant in Grandpuits, France. The company is a 50/50 joint venture between TotalEnergies and Corbion.

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