

Luminy® L040

PLA for sustainable meltblown filters

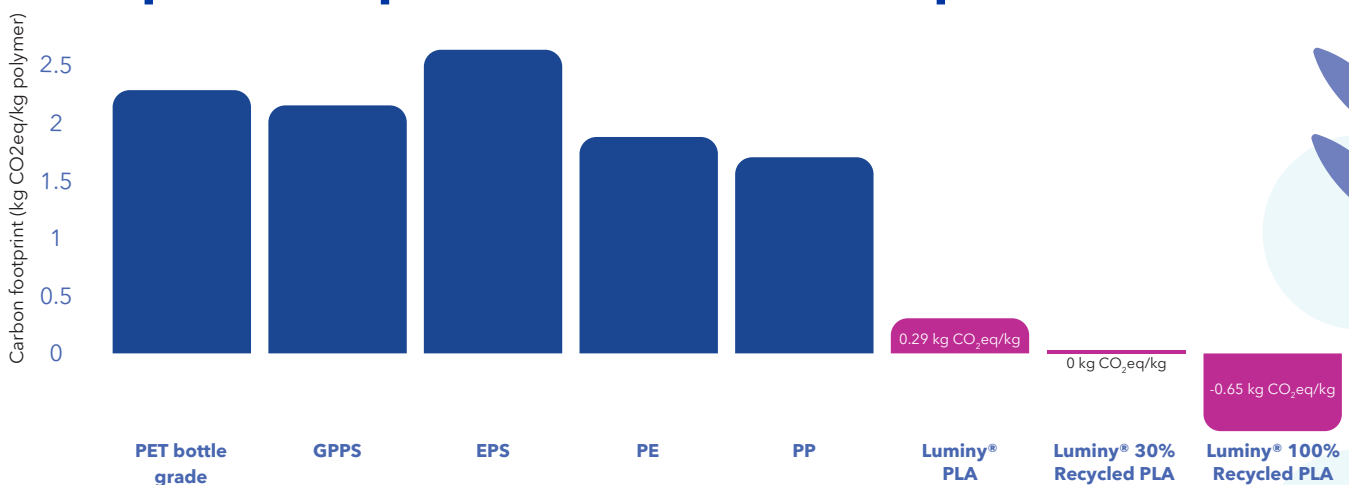


TotalEnergies Corbion's newest PLA grade

Why Luminy® PLA?

- ✓ Ultra-low viscosity for easy integration into existing production lines
- ✓ High filtration performance and efficiency
- ✓ Achieves filament diameters as fine as 1µm
- ✓ Stable charge retention
- ✓ Reduced CO₂ emissions for more sustainable products
- ✓ Suitable for advanced recycling

Luminy® PLA has an up to 85% lower carbon footprint compared to conventional plastics



Comparing Climate Change Impact of Luminy® PLA to fossil-based plastics - figures include biogenic carbon.
Source: Plastics Europe data and TotalEnergies Corbion LCA 2025

Cleaner air, greener future

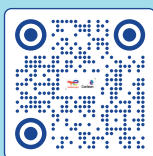
With 99% of world's population breathing air exceeding the WHO pollution limits, the need for advanced air filtration solutions is more crucial than ever.

Meltblown nonwoven materials play a vital role in high-efficiency filters due to their ability to form ultra-fine fiber structures. Luminy® PLA L040 offers a high performance, sustainable solution designed for meltblown processing in filtration applications, protecting people and the planet.

Luminy® L040 is the ideal biobased material for:

- ✓ HVAC filters
- ✓ Face masks
- ✓ Cleanroom filters
- ✓ Household and industrial purifiers

Luminy® L040 is not just a product—it's a solution for the future of clean air. Let's co-create the next generation of filtration systems that are **safe, high-performing, sustainable, and planet-friendly.**



Want to create sustainable solutions together?
Contact the TotalEnergies Corbion team to learn more.
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