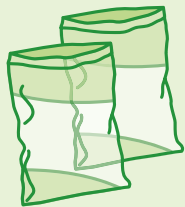


B-Recycling: unique PE film-to-film recycling

Bionerga

ECO-oh!
let's recycle for life

📍 Industrieweg 172, 3583 Beringen



PE films

PE film-to-film recycling into resin or compound for film blowing applications, waste bags or packaging film, from 100 % post-consumer recycled content



Capacity

42kt/Year

30

new hires
for the site in
Beringen



Investment
€42
million



Start of
construction

APRIL
2021

DECEMBER
2021

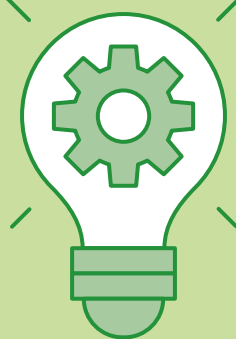
Fully operational by
January 2022

Process and innovation

State-of-the-art fully digitalised mechanical recycling, including

- Double Near Infrared (NIR) for the separation of off-spec materials
- Innovative sink-float separation to bring extrinsic contamination down from 1000 ppm to 20 ppm
- Hydrodyn washing technology, achieving purity levels similar to virgin PE
- Full stream 2-stage flotation system to recycle closed-loop process water

AI real-time monitoring system including in-line film blowing for quality management and international standardisation of rLDPE



Partners

ECO-oh! Group has 30 years of experience in the recycling of mixed household plastics. By recycling residual plastics in the most eco-efficient and cost-conscious way into valuable secondary raw materials and products, we close the loop and guarantee every citizen that their sorting efforts at home actively contribute to the circular economy.

<https://www.eco-oh.com/en/>



Bionerga nv manages three incineration plants (Houthalen on waste-wood, Biostoom Beringen and Biostoom Oostende on non-recyclable, residual waste) and five composting plants (in Bilzen, Houthalen, Maasmechelen, Overpelt and Sint-Truiden). Biostoom Beringen and Biostoom Oostende are subsidiaries of Bionerga nv. The shareholders of Bionerga nv are Limburg.net and Nuhma cvba.

<https://www.bionerga.be/>

B-Recycling exclusively focuses on the recycling of PE films originating from household waste and/or post-consumer retail film. Because of the high standards of its recycled pellets, B-Recycling will be the preferred partner of progressive film blowing companies. High quality rLDPE will thus become competitive with post-industrial recycling and even with virgin plastics. B-Recycling is part of a cluster of companies that focuses on sustainability and true circular economy.

Together good sorting, better recycling

Fostplus