How Can Our Polymer Additives Support Your Sustainability Goals?

We understand that sustainability can mean different things to different businesses, but we all share a common goal in doing our part to minimise the impact we have on the environment. We are constantly working on improving our sustainability profile and committed to supporting you in improving yours.

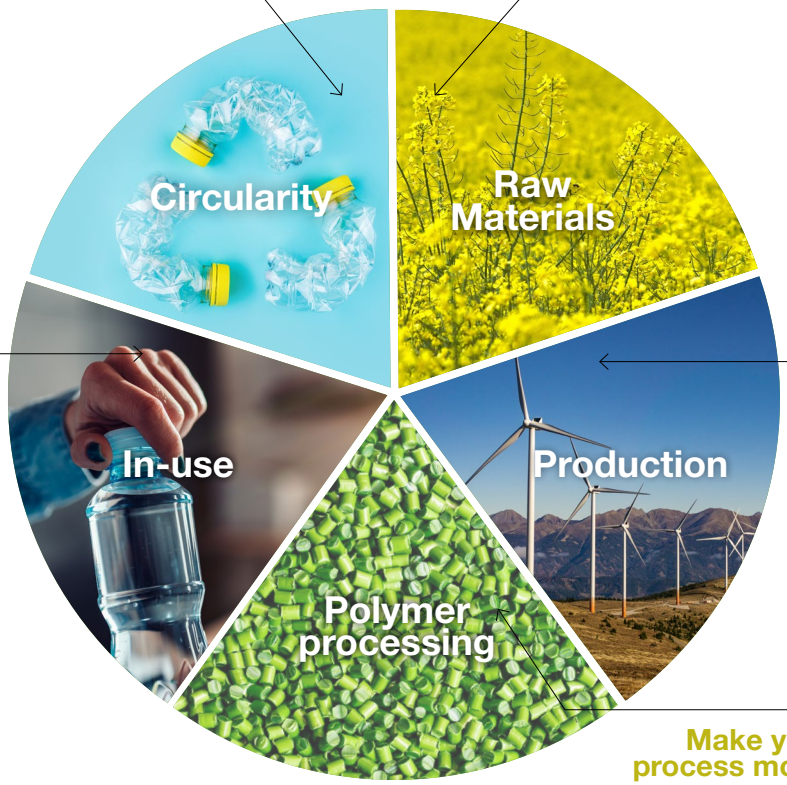
Sustainability benefits throughout the life cycle of our products & yours

Increase the quality of recyclate

Our additives can help to increase polymer quality in mechanical recycling.

Increase your bio-based content

Many of our additives are made from 100% bio-based raw materials.



Create more sustainable products

Our additives can help to down gauge films, make products more durable, stable and reusable.

Reduce your scope 3 carbon emissions

We use green electricity and energy efficient processes to make our additives.

Make your production process more sustainable

Our additives can help to reduce energy use, lower processing temperatures and reduce waste.

Our ambition

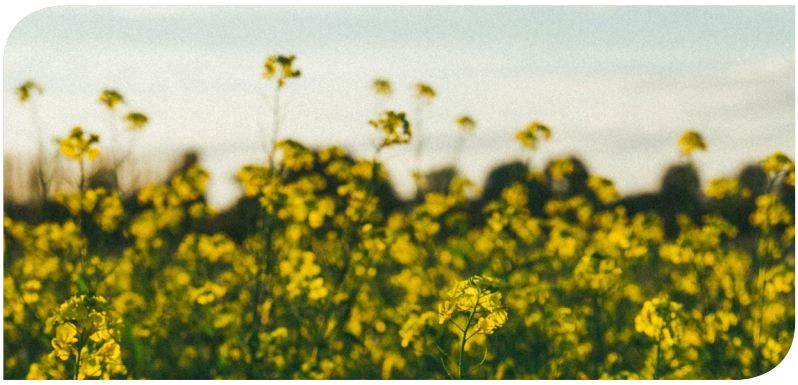
Our goal is to create circular, low-carbon and resource-efficient solutions, in partnership with industry to achieve the UN's SDG targets. Together we can reduce, reuse, recycle and redesign plastics for a more sustainable future. Contact us to find out more about how we can work together to accomplish this ambition.

Sustainability in Action

The case studies below showcase just some of the ways our additives, and the way we make them,can support you in your sustainability goals in the plastics industry. Want to keep the sustainability conversation going? Contact us to find out more about our other case studies and examples.

Supporting carbon savings with carbon negative slip additives

The externally verified Life Cycle Assessments (LCA) of our slip additives show that they have a negative carbon footprint which means we remove more CO_2 from the atmosphere than we emit during production. These results are, in part, possible due to our bio-based raw materials. Our raw material supply is also back integrated which means that we have transparency of our supply chain.

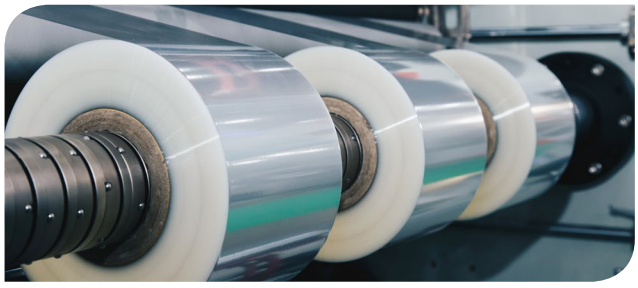


Increasing processing energy efficiency with IncroMax™ 100

Using IncroMax 100 in injection moulding of PET increases energy efficiency of the process by 4.5% by reducing the injection pressure and the injection force needed. It also increases the output rate by enabling a smoother production process which reduces the energy use per unit by 20%.

Improving circularity of HDPE with Incroslip C

We want to make sure that our bio-based additives are a suitable choice for recycled plastics. That's why our Incroslip C slip additive was externally tested in HDPE during mechanical recycling. It was found to double the MFR after three cycles and also brings benefits to the recyclate by improving the aesthetics and maintaining good mechanical properties.



Reducing polymer usage through thinner films with Optislip™ ER

Optislip ER enables down-gauging In LLDPE film production by improving the processing and handling of the film. This means that up to 33% less polymer can be used to make a film that meets the same performance requirements. This can also lead to reduced transport emissions. Thinner films require a higher concentration of slip additives so using this carbon negative additive can also help you reduce scope 3 emissions of your product.

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polymeradditives@cargill.com