



Renewable Capa™ for bioplastics

A new product concept

Customizable copolymers offer sustainability with specific properties

At Perstorp, the world leader in caprolactone technology manufacturing and developing products under the Capa™ brand, we are applying our innovative chemistry to finding renewable solutions in bioplastics.

The well-known and trusted Capa™ molecule has been producing winning formulas for more than 40 years. This single molecule can create millions of opportunities for the coating, elastomer, adhesive, sealant, and now bioplastic applications.

Capa™ Thermoplastics are biodegradable and come with a full spectrum of performance-enhancing properties that make biopolymers the plastic of natural choice today. But now we're

introducing a unique concept based on Capa™ and Lactides that allows us to create copolymers with customized properties that meet specific market needs. Our goal is to partner with customers to identify and develop competitive and sustainable product solutions for the future. Our experience with bioplastics and product innovation gives us the tools to contribute to a winning formula in a partnership.

We are stepping up our presence in the bioplastic market through investments that include a pilot plant in Warrington, UK, increased technical resources, and a new materials laboratory in Perstorp, Sweden. These new assets will help our customers to develop their business faster, reduce time-to-market and create new products and formulations for emerging bioplastic applications.

Find out more at
perstorp.com/bioplastic



Concept advantages

With Capa™ Lactides we can customize copolymers by adjusting their crystallinity, viscosity, flexibility, biodegradability and bio-based content, targeting your exact needs. With our innovation capabilities we can develop and test your concept and scale up production to an industrial level. With this technology you can create solutions to keep a step ahead of competition.

Processing & performance advantages

The biopolymers are renewable, of course, while Capa™ adds critical performance properties to them. The molecule is biodegradable, compostable and stable, lowering environmental impact while giving bioplastics all the strength to outlast plastic fossil-fuel-based rivals. Its thermal stability also helps to reduce wastage and avoid unnecessary costs. By making random and block copolymers, we will have even more alternatives to tailor materials that meet very specific needs.

Let us be your bioplastics partner

With our proven technology, full technical support and expertise in caprolactone technology, we can help to make the perfect solution for your bioplastic success. We provide analytics, testing and troubleshooting, and can help develop more sustainable alternatives.

Our technical services include:

- Formulation development & improvement
- Application development
- Pilot trials and upscaling capabilities
- On-the-spot service & consultancy

The focus today is not on using one biopolymer but rather on combining several polymers to find the best possible bioplastic solution without compromising sustainability. We believe this is vital to the successful future development of such materials.

Together let's innovate for the future.

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