

Eastman **TRĒVA™**
engineering bioplastic

Ensuring engineering integrity.
Reducing environmental impact.



Ensuring engineering integrity. Reducing environmental impact.

Whether due to more stringent regulations, elevated consumer demand, or increased awareness, corporations and brands are quickly discovering they must factor sustainability into every decision and product they make. **Being sustainable not only helps preserve the environment; it also helps support companies' bottom lines.**

Versatile bioplastics can play an important role in improving brands' sustainability stories. However, even though they have been around for generations, most lack the dimensional stability and functionality to be used broadly. Some can become brittle or have low heat tolerances—limiting their viability.



But what if there was a better bioplastic?

Eastman Trēva™ engineering bioplastic is a cellulose-based plastic that offers higher performance than other bioplastics, lower environmental impact than other engineering resins, and better dimensional stability than other cellulose-based plastics. Sourced from sustainably managed forests, Trēva has superior chemical resistance, dimensional stability, and low birefringence.

Trēva's superior chemical resistance and dimensional stability help create products that are both durable and functional. Also, its excellent flow characteristics empower molders and designers to create intricate, thin-walled parts.

In other words, Trēva is a sustainable alternative that works. It's naturally better.

New possibilities for a renewable resource

Trēva is derived from cellulose sourced from sustainably managed forests—meaning it can help reduce reliance on fossil fuels without putting extra strain on global food supplies.

The United States Department of Agriculture's (USDA's) BioPreferred® program has certified Eastman Trēva™ engineering bioplastic GC6021 with a biobased content of 42% and Eastman Trēva™ engineering bioplastic GC6011 with a biobased content of 45%—significantly higher than other bioplastics.



Durable is now doable.

Of the billions of metric tons of plastic produced annually, only a fraction is recycled. One key factor in keeping plastics out of landfills is to ensure their usefulness, desirability, and longevity.


Products made from durable Trēva last longer and can help reduce waste. This is especially important for portable or wearable electronics, sunglasses, and sports equipment that need to withstand the rigors of active lifestyles.

Trēva also exhibits excellent chemical resistance. Unlike other plastics, it stands up to skin oils, sunscreens, and household cleaners. So products made from Trēva won't become brittle, discolored, or crack when exposed to these everyday substances—thereby increasing product longevity and reducing waste.



Sustainability is a team effort. By working together, we can develop solutions that meet present market demand without compromising the ability of future generations to meet their needs.





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Create less scrap.

With its excellent flow properties, Trēva helps reduce waste on the manufacturing floor.

It can be used with complicated parts and in filling thin walls, empowering product designers with more freedom to innovate—and ensuring that even complex parts that need to consistently perform in the real world can be made with a sustainable material.


Additionally, Trēva does not exhibit the rainbow effect some plastics experience with polarized light. This improved birefringence may give Trēva greater viability in applications and markets in which other biobased plastics proved unsuitable.

Let's work together for a more sustainable future.

Eastman's innovation platforms are focused on developing sustainable material solutions for our customers worldwide. We view it as our responsibility to develop new molecules, products, and applications that address global sustainability challenges.

But sustainability is a team effort. By working together, we can develop solutions that meet present market demand without compromising the ability of future generations to meet their own needs.

Building on nearly a century of Eastman innovation in cellulose and specialty plastics, Trēva is a naturally better material. Dimensionally stable with excellent flow, it is a bioplastic that offers sustainable benefits while not compromising on performance.



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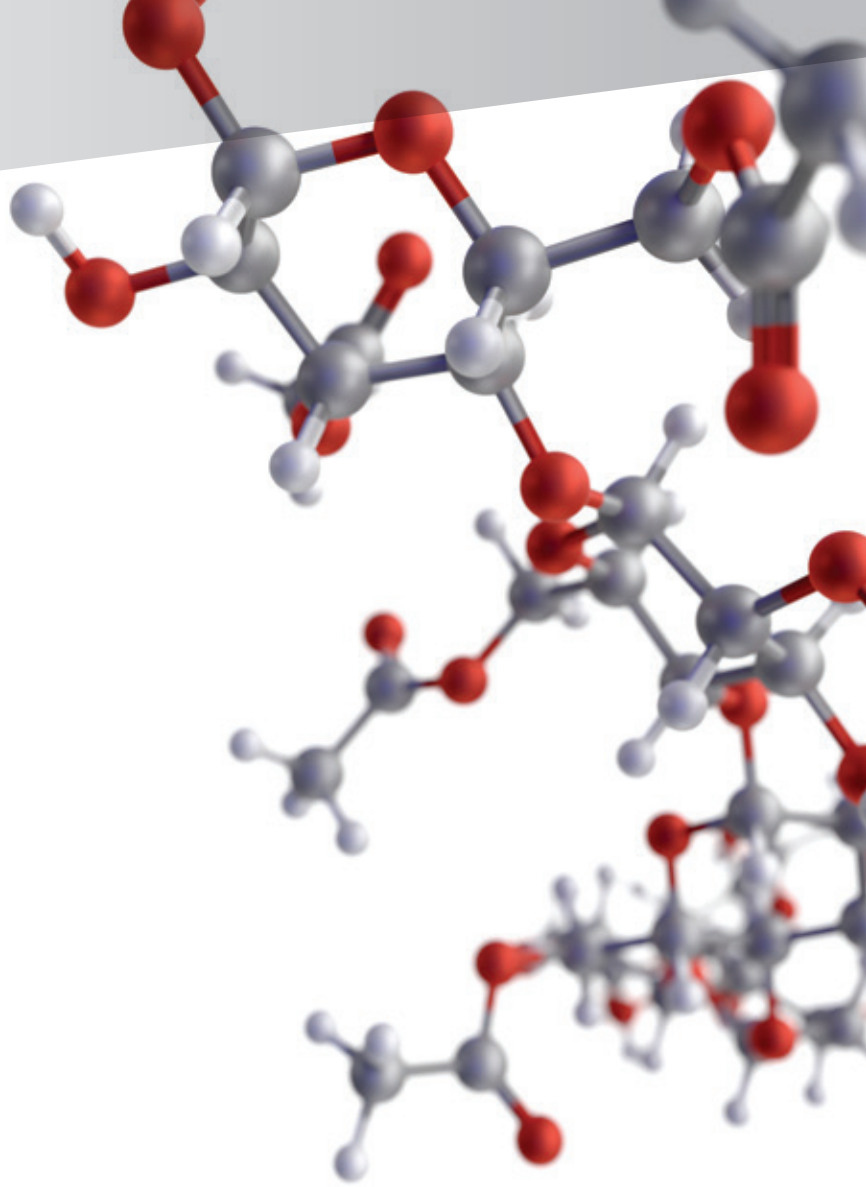


Trēva. NATURALLY BETTER.

www.Treva.com



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EASTMAN

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