

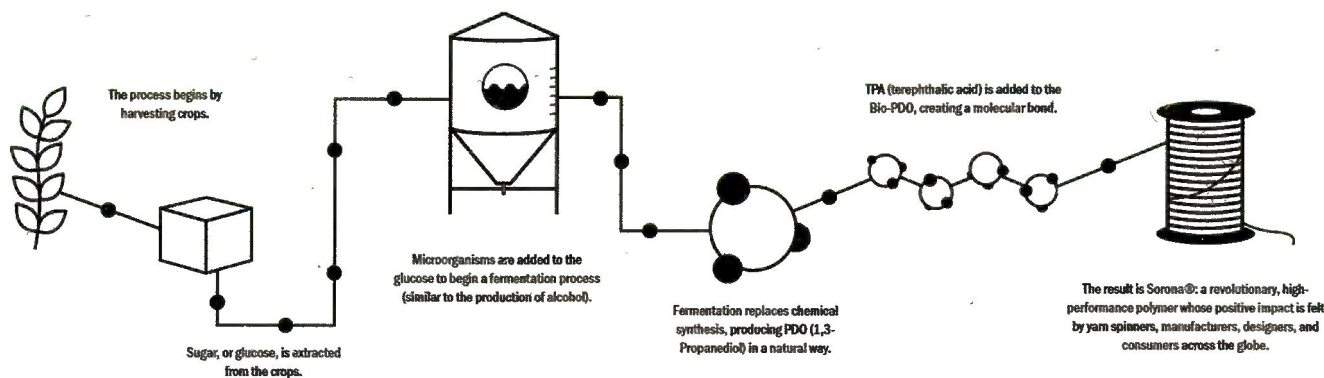
THE SORONA[®] STORY

SEW THE SEEDS OF CHANGE

We believe science should learn from nature—that a product is timeless when it's renewable, and that a single fiber can make a world of difference. We know that we never have to sacrifice performance to be sustainable, or the other way around. To us, finding ways to leave a smaller footprint just comes naturally, so we do it every step of the way.

RENEW YOUR WORLD

When we spot a hint of greatness, we give it a second look. We explore untapped possibilities and find a way to make it something truly special. This is how, after decades of research and asking the right questions, DuPont scientists discovered a way to produce PDO—a building block with endlessly versatile potential—using a biological process that would have a global impact:



COMPARED TO NYLON 6

Uses 30% less energy
Releases 63% fewer greenhouse gas emissions

For Bio-based TPU Susterra, please see backside



DuPont Tate& Lyle Bio Products

Susterra® Propanediol for TPU Outsoles and Other TPU Applications

Susterra® propanediol is the building block that delivers high performance in a variety of polyurethane applications, from thermoplastic polyurethane (TPU) outsoles and waterproof films to synthetic leather and hot-melt adhesives. Made from renewably sourced materials and certified 100% bio-based by

the USDA, Susterra® propanediol offers **improved flexibility at low temperatures, softness and transparency** and **enhanced processing with shorter demolding times** versus traditional polyols.

How it's made

Susterra® propanediol is manufactured through a proprietary fermentation process using plant-derived glucose instead of petroleum-based feedstocks.

The resulting product is 99.7% pure.



Harvest



Fermentation



Refining

The greener alternative

From "cradle-to-gate" (extraction and production prior to delivery to the consumer), Susterra

56% less greenhouse gas emissions and consumes

42% less nonrenewable energy than petroleum-based

1,3-propanediol. Compared with BDO, Susterra

produces 52% less greenhouse gas emissions and uses 32% less nonrenewable energy from cradle-to-gate.



At full capacity, our process achieves greenhouse gas emissions reductions equivalent to taking 40,000 passenger cars off the road for one year.



At full capacity, our process saves enough nonrenewable energy to power 1 million 100W incandescent lightbulbs for one year.