

Products made with EVRgreen® technology are both biodegradable* and recyclable. Whether EVRgreen is tossed into a landfill or taken to a recycling center, this technology transforms a standard molded product into a product with end-of-life optionality.



BIODEGRADABLE* & RECYCLABLE

Biodegradable* by nature, helped by Epsilyte

EVRgreen advanced technology used in life-sustaining applications, like delivery of perishable medicines and food, can now be discarded sustainably, along with your household food waste. **EVRgreen** is proven through ASTM D5511 testing to degrade well over 90% in four years.* This technology employs an anaerobic enzymatic biodegradation process, meaning bugs in the landfill eat it. While standard EPS takes decades to degrade, products made with **EVRgreen** technology speed up biodegradation by inviting more bugs to the table!

***EVRgreen** EPS biodegrades 94% over four years compared to cellulose using the ASTM D5511 test that simulates wetter and biologically active landfills, which do not exist in all parts of the U.S. The stated rate and extent of degradation do not mean that **EVRgreen** will continue to degrade. No claim is deemed to be made in any state or locality that prohibits the making of biodegradability claims on this or similar products.



815.224.1525 • info@epsilyte.com • epsilyte.com

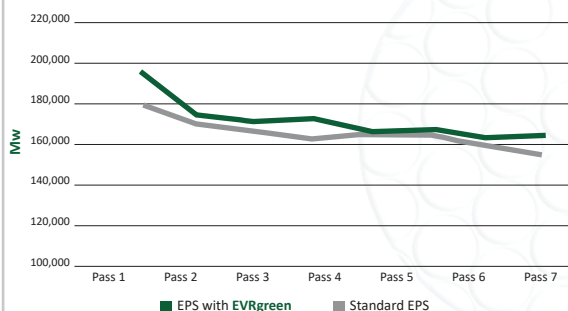




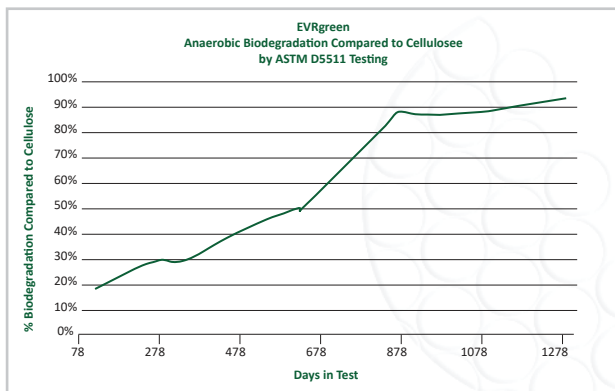
Epsilyte now includes EVRgreen technology in all disposable applications.

AS ALLOWED BY CONTRACT

7-PASS EXTRUDER EVALUATION



Same sample through Epsilyte Technical Development laboratory extruder 7 times to simulate the heat history of recycling. Molecular weight measured after each pass.



The graph above is a composite of multiple test results from cups made from EVRgreen EPS compared to a cellulose positive control.

RECYCLABLE

The unique advantage of **EVRgreen** technology is that because the technology leverages an enzymatic biodegradation process (rather than oxo degradation), **EVRgreen** products can also be recycled, with no negative impact on the more than 500 EPS recycling programs across North America.

When polymers go through the recycling process, they experience additional heat histories—each heat history a polymer experiences causes deterioration in performance because of loss in molecular weight. Unlike oxo-degradable technology, **EVRgreen** does not accelerate the loss of molecular weight in recycling. Because it uses an enzymatic biodegradation process instead of an oxo degradation process, EPS with **EVRgreen** advanced technology is one of the first biodegradable* plastics NOT to impact recyclability.

OTHER BENEFITS

EVRgreen is engineered for enzymatic biodegradation. Since the material does not promote oxo-biodegradation, the resin does not become brittle, and no shelf-life adjustments need to be made. Other benefits of using **EVRgreen** technology is that it requires no special packaging, there are no changes in resin properties, nor does it biodegrade without a micro-rich environment. **EVRgreen** leaves the same byproducts as organic material decomposition including carbon dioxide (CO₂), methane (CH₄), and other renewable organic materials. Many landfills capture the methane and burn it for fuel.

EVRgreen advanced material uses proprietary technology reacted into the polymer. Unlike other biodegradable* plastics, **EVRgreen** breaks down into the same byproducts of organic decomposition. This means the same landfill bugs that eat the organic matter in the landfill will eat products made from **EVRgreen**. The result is BIO-degradability, leaving no microplastic contaminants behind.

Products molded with **EVRgreen** look and perform the same as Epsilyte's standard grade material.

State Law Notice: California law prohibits the sale of plastic packaging and plastic products that are labeled with the terms "biodegradable", "degradable" or "decomposable" or any form of those terms or imply in any way that the item will break down, biodegrade or decompose in a landfill or any other environment. These restrictions apply to all sales in or into the State of California, including such sales over the internet. For sales in or into California or any other jurisdiction which prohibits such claim by law, rule, or regulation, Epsilyte makes no claims that these products will break down, biodegrade, or decompose in a landfill or any other environment.

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