Emirates Biotech

a Global Biopolymers Industries company

Supplier of Embio PLA biopolymers.

Our mission is to accelerate the transition to a circular economy by offering plant-based polymers with a reduced carbon footprint that are recyclable and biodegradable.

Champions of a green tomorrow.

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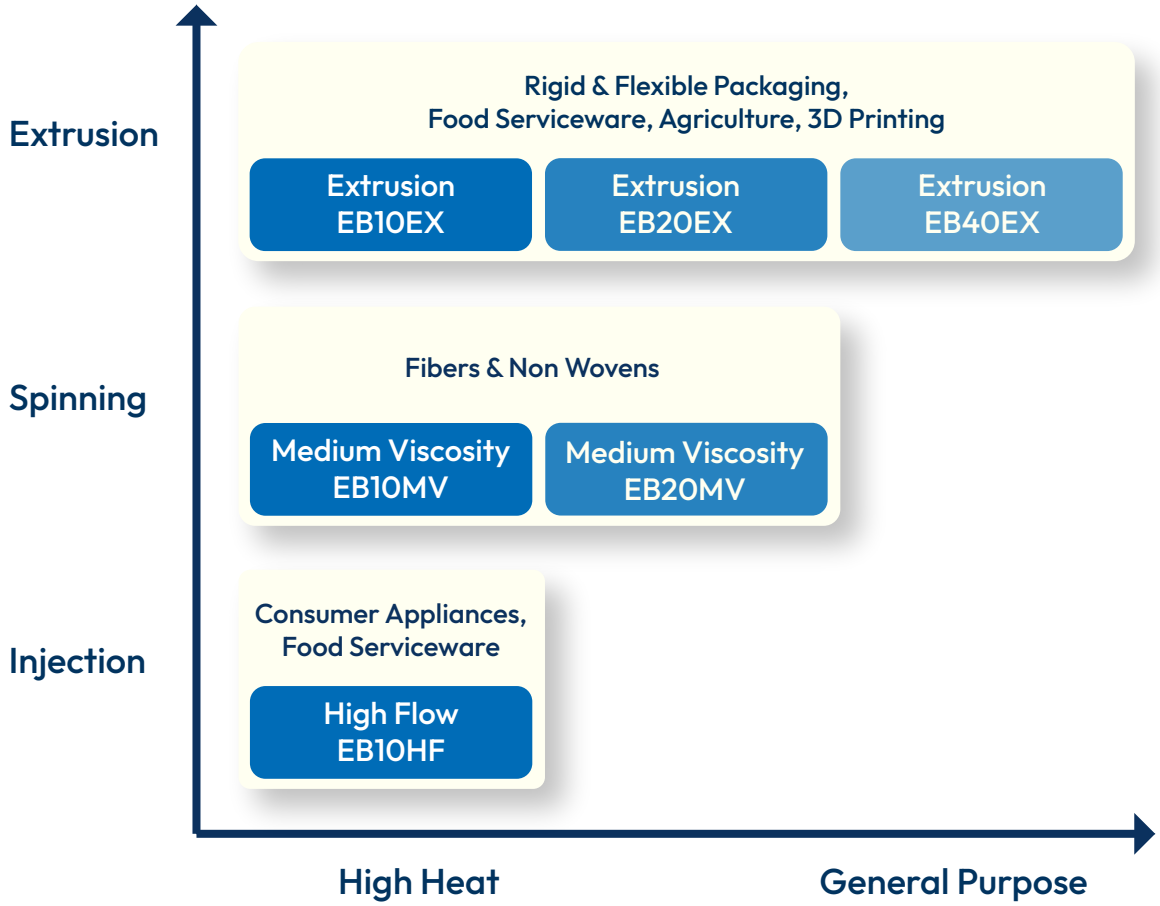
Embio Product Portfolio.



Embio PLA biopolymers, demonstrates a compelling and scientifically validated environmental advantage, proven to reduce carbon footprint by up to **75%** compared to traditional polymers.

Certifications.

Compostability

All Embio grades are designed to comply with established industrial composting standards **EN13432** and **ASTM D6400**.

Food Contact Status

All Embio grades are designed to be compliant with food contact regulations in the USA and Europe.

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Embio EB40EX.

A neat PLA (PolyLactic Acid) resin with high viscosity, baseline heat resistance, and offers excellent transparency. It is designed for food contact applications and meets industrial compostability standards, making it ideal for applications such as:

Rigid Packaging

Food Service Ware

- Thermoformed cold drink cups & lids
- ISBM bottles for water & fresh juice
- 3D printing filament
- Thermoformed food containers & trays
- Key building block in compounds

Embio EB20EX.

A neat PLA (PolyLactic Acid) resin with high viscosity and moderate crystallization rate, allowing for higher heat resistance in its final products. It is designed for food contact applications and industrial compostability standards, making it ideal for applications such as:

- Biaxially oriented film
- Monofilament yarn for tea bag & twine
- Thermoformed hot cup lids
- Key building block in compounds

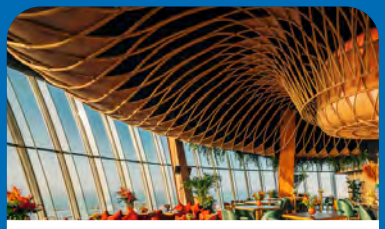
Flexible Packaging

Flexible Packaging

Embio EB10EX.

A neat PLA (PolyLactic Acid) resin with high viscosity and rapid crystallization rate, allowing for higher heat resistance in its final products. It is designed for food contact applications and meets industrial compostability standards, making it ideal for applications such as:

Food Service Ware



3D Printing

- Thermoformed hot cup lids
- Key building block for compounds
- High heat 3D printing filament

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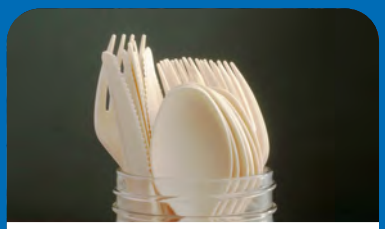
Embio EB10HF.

A neat PLA (PolyLactic Acid) resin with excellent flow and rapid crystallization rate, allowing for higher heat resistance in its final products. It is certified for food contact applications and meets industrial compostability standards, making it ideal for applications such as:

- Injection molded tableware
- Injection molded thin wall applications
- Key building block in compounds
- Meltblown non-woven fabrics

Food Service Ware



Food Service Ware

Embio EB10MV.

A neat PLA (PolyLactic Acid) resin with medium flow and rapid crystallization rate, allowing for higher heat resistance and lower shrinkage in its final products. It is designed for food contact applications and meets industrial compostability standards, making it ideal for applications such as:

Tea bags

Fibers & Non Wovens

- Injection molded tableware
- Spunbond fabrics
- Staple fibers for wetlaid teabags
- Key building block in compounds
- Textured & flat yarns for textiles

Embio EB20MV.

A neat PLA (PolyLactic Acid) resin with balanced flow and crystallization rate, tailored to provide improved thermal stability and low shrinkage in its final products. It is certified for food contact applications and meets industrial compostability standards, making it ideal for applications such as:

- Injection molded tableware
- Spunbond fabrics
- Staple fibers for wetlaid teabags
- Key building block in compounds
- Textured & flat yarns for textiles

Fibers & Non Wovens

Fibers & Non Wovens

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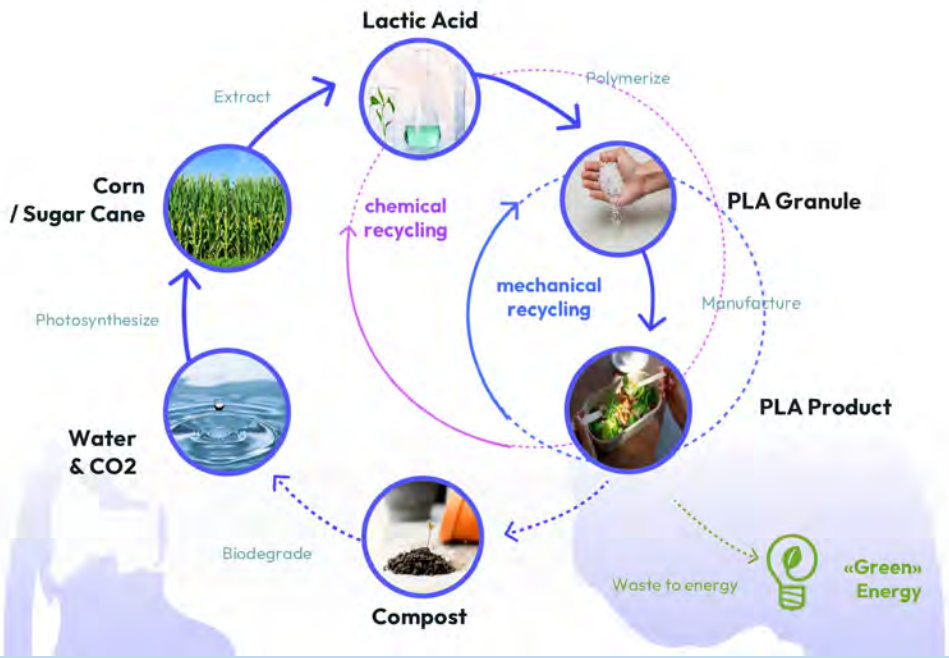
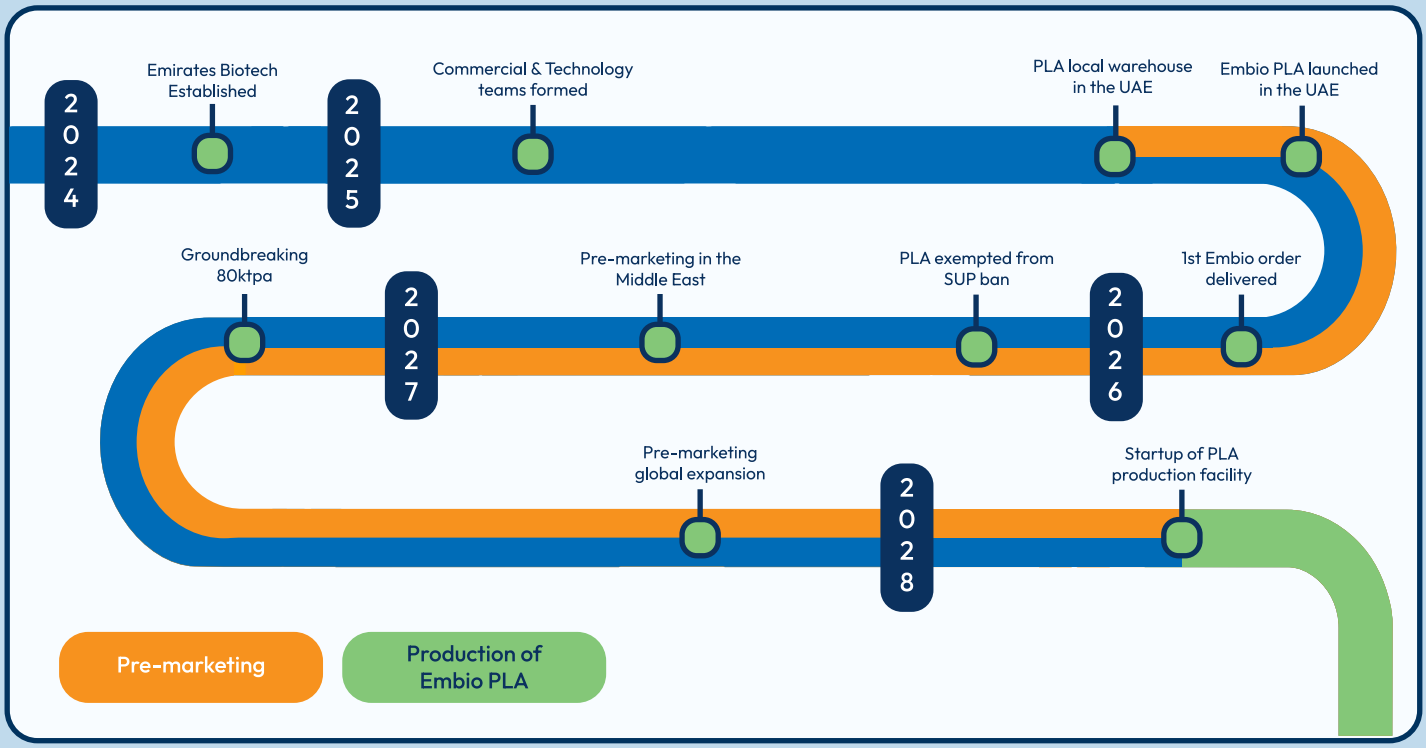
What is PLA?

PLA (PolyLacticAcid) biopolymers are derived from plants that absorb CO_2 from our atmosphere, making them a sustainable and biobased alternative to traditional plastics. PLA biopolymers are used in a wide range of applications, such as consumer goods, appliances, packaging, food service ware, and 3D printing. They can be recycled like any other polymer or broken down naturally, helping to cut down on plastic pollution. Material innovation is driving the adoption of PLA into an expanding array of applications, meeting increasingly rigorous requirements. By replacing conventional plastics with PLA biopolymers, we can significantly lower our environmental impact and foster a greener economy.



Our Roadmap.



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About Emirates Biotech.

Emirates Biotech creates high-quality and sustainable substitutes for traditional plastics. Based in the UAE, we are the leading company in the Middle East marketing high-quality PLA biopolymers. Our PLA biopolymers are renewable, recyclable, biodegradable and directly relevant to the goals of a circular economy. Emirates Biotech is strategically positioned to capitalize on the rapidly growing markets for sustainable products. We supply PLA biopolymers, and we provide expertise in application development, recycling and sustainable end of life solutions. Together, we are helping to accelerate the transition to a circular, biobased society, making our planet a better place for future generations. Emirates Biotech is a Global Biopolymers Industries company.

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