



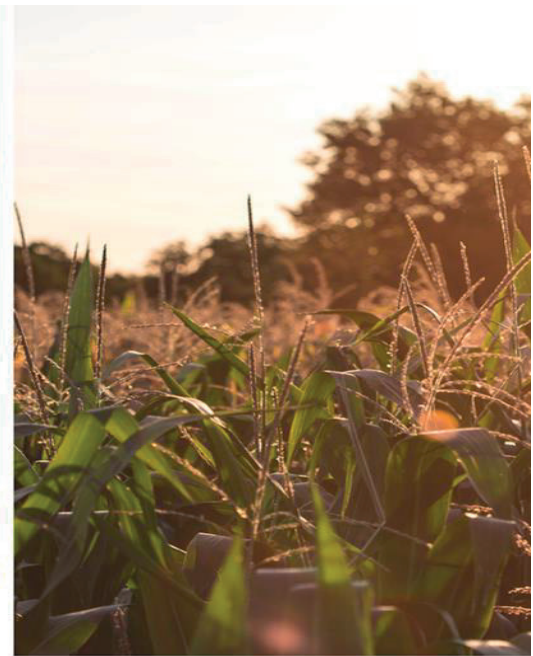
AD·Bio
plastics



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ADBioplastics

ADBioplastics is an ITENE spin off with the solid expertise in designing tailor-made materials with enhanced properties by using innovative technologies currently applied in other scientific fields, commercialization and business development of biodegradable polymer specialities and novelty bioadditives. We improve the required properties of the major bioplastic material nowadays, such it is polylactic acid.



Products PLA-Premium

SERIE

PROCESSING TECHNIQUES

Extrusion - Thermoforming

- E 1100
- E 2100

Injection Moulding

- M 3100
- M 4100

Injection Blowing

- B 5100

Film

- F 7100

All our products

Better processability

Higher barrier properties than PLA

PLA-Premium E

- High transparency
- High temperature resistance

PLA-Premium M

- High transparency
- High temperature resistance

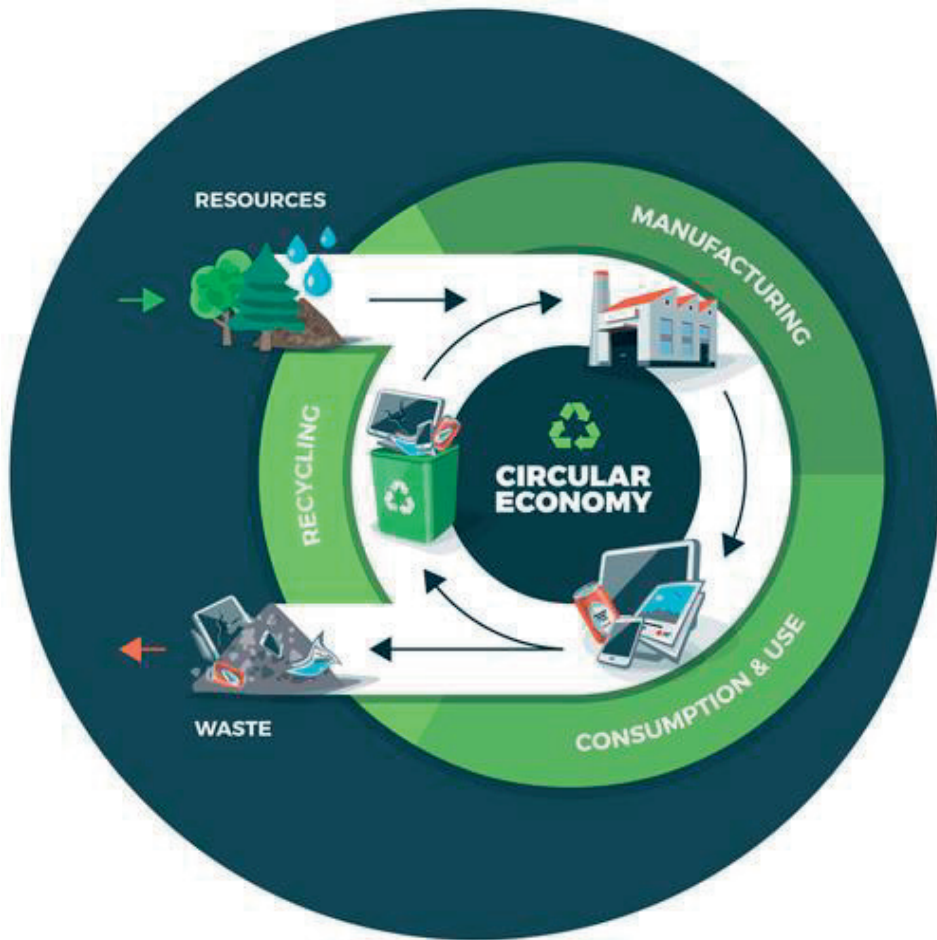
PLA-Premium B

- High transparency

PLA-Premium F

- High transparency

Compostable bioplastics



Be part of the circular economy

BIOplus : Origin + Biodegradable

Produced by living organisms: Corn, sugar cane and sugar beet

SUSTAINABLE: CO₂ released when they degrade, reabsorbed by crops grown to replace them

RENEWABLE: They are made from plant materials which can be grown indefinitely

COMPOSTABLE: It will break down by 90% within six months in an industrial composting process

Advantages of using PLA-Premium

TECHNICAL PROPERTIES

- Higher barrier OTR/WVTR than PLA
- Thermal stability and improved mechanical properties
- Tunable transparency

INDUSTRIAL PRODUCTION

- Supplied as additive and ready to use pellets
- Processed by conventional techniques

FOOD CONTACT SAFETY

- Non migration components
- Food contact approved

LIFE CYCLE

- PLA-Premium is biodegradable and compostable
- EN 13432-2000

Sectors

PACKAGING



PLASTIC



CHEMICAL



BIOMEDICAL



AUTOMOTIVE

PHARMACEUTIC

CONSTRUCTION

OTHERS

Challenges

- Single-use plastic will be banned in the EU by 2021
- European strategy 2030 for plastics
- Reduction of CO₂ emissions
- Limited petroleum resources



EU PLASTICS STRATEGY



Letters of intent

The following companies or associations have already requested letters of intent to ADBioplastics because they want to offer their support to our products and closely follow the results obtained of our investigation.



miniland
GROUP



Schreiber[®]



asebio



HEIS global
PACKAGING HEALTHCARE



á Laboratorios
acento
española de nuevos tratamientos, s.a.

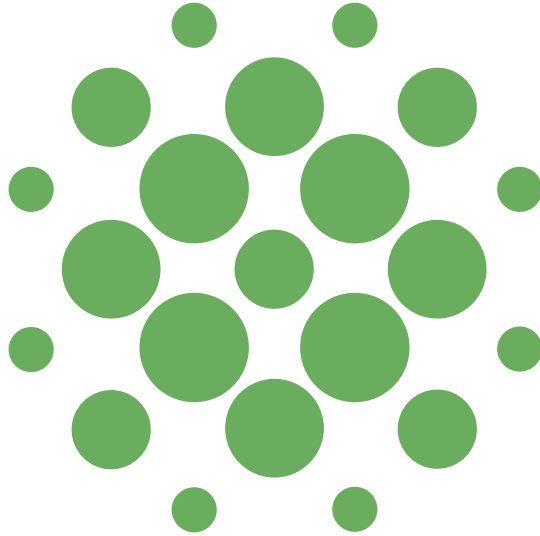


kp klöckner pentaplast

With our bioplastics,



we make the world a better place



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