



Bioplastics Developments

BIOPLASTIC PROTOTYPE DEVELOPMENT

KEY WORDS

BIOPLASTICS,
INJECTION MOLDING,
DEGRADATION

DESCRIPTION

Universidad Central has experience in analyzing and validating prototypes manufactured with biopolymers derived from potato starch and other organic residues. This service promotes the replacement of fossil-based plastics with sustainable, circular materials that demonstrate proven technical performance.

POTENTIAL BENEFITS OR IMPACTS

Strengthens the substitution of fossil-based plastics with organic alternatives.

Increases the use of local organic materials for bioplastic production.

TECHNOLOGY MATURITY LEVEL (TRL)

TRL 3: experimental proof of concept.

AREA OF APPLICATION

Plastics

Chemistry

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