

WP3 update - June 2025

Materials and processes

Deliverables

- D3.1 – Materials for reusable packaging. ✓
- D3.2 – Manufacturing processes for reusable packaging. ✓
- D3.3 – Assessment of recyclability & recycled content. ✓
- D3.4 – EFSA pre-dossier for closed-loop recycling of food contact RPP
 due 05/2026

Objectives

- To obtain technical and innovated solution to manufacture RPP- use cases, and enhance their functionalities: coating, materials, mold designing etc.
- Process parameter optimization to achieve demanding performances (zero -defect, cost efficiency).
- To find and assess the recyclable RPP solutions.

Key Activities

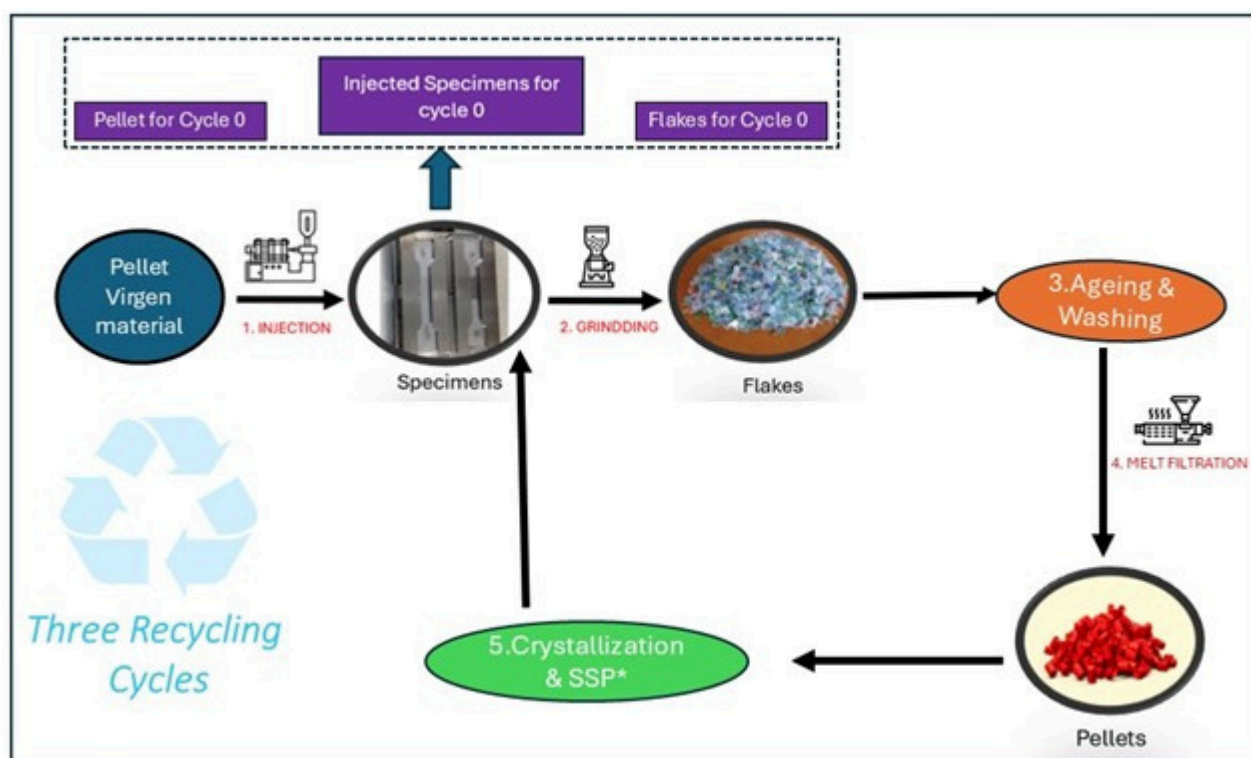
- Material Selection and functionality enhancement.
- Process parameter evaluation.
- Recyclability assessment.



? Key Research Questions

- How many times this packaging is able to be reused?
- Is it possible to recycle this packaging at the end of its lifecycle?

Intermediary results



[Recycling processes followed in Wp3.](#)

Impact & Outcomes

- Four reusable food packaging.
- One reusable packaging for personal care products.
- All packaging containers are able to be recycled at their end of life.



[Prototypes of Buddie-packs 'Wp3'](#)

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