

using conventional stripping

necessary. The Overall

contact applications.

enough to return to food

agents and supercritical CO₂ if

Migration Limit should be low



A novel pilot recycling line with in-line adaptive melt rheology control and additivation will be used **to** stabilize and upgrade targetted properties of recycled stream, such as melt flow properties (targetting e.g. less than ±15% variance in melt flow index for recycled feedstock).



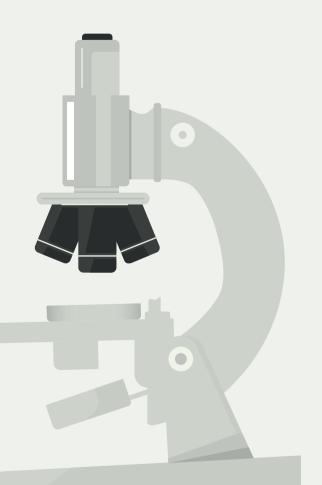
The objective of mechanical dissolution and precipitation of the recycling is to make new high gas polyolefin contained in the barrier films. 2 innovative processes multilayer films that cannot be will be used: continuous extensional mechanically recycled. The process flow mixing and multinanolayering uses a low boiling point solvent, and extrusion. Bi-axial stretching can also up to 90% recovery of the PO present improve the barrier properties if should be reached. needed.





Legislation & Standards

The recycling processes will be developed according to current European legislation. Modification of such legislation and standards could be proposed to increase multilayer films recyclability.



New design

New designs will be proposed including: Multilayer structures more recyclable Multilayer compositions including recycled materials

Partners



























