

Design for Recycling Checklist

CEFLEX D4ACE Phase 2 Sept 2025, RecyClass DfR Guidelines 2025, PPWR (EU) 2025/40 · Edition I — April 2026

Before launch · Mono-material PE and PP films · PPWR 2030 compliance · RecyClass Class A or B

COMPOSITION

- ☐ Main polymer content $\geq 90\%$ of total mass ($\geq 95\%$ for RecyClass Class A)
- ☐ EVOH under 5% if present in the structure
- ☐ No PET, PVDC, aluminium foil, or bio/oxo-degradable plastic in the structure
- ☐ No carbon black as a surface pigment

INKS & ADHESIVES

- ☐ Ink is PU or PVB (not NC), or RecyClass-tested and approved
- ☐ Ink mass under 5% of total packaging mass
- ☐ Lamination adhesive is a RecyClass-approved type, under 5% of mass
- ☐ Barrier coating: SiOx/AlOx (20-100 nm) or compatible PVOH

SORTABILITY

- ☐ Packaging is NIR-sensor identifiable as PE or PP (no carbon black, no excessive metallisation)
- ☐ Label is the same polymer or an approved material (not PET on PE)
- ☐ Closure elements (zipper, spout) are the same polymer or below the mass threshold

VALIDATION

- ☐ Preliminary assessment on the RecyClass Online Tool (free – recyclclass.eu)
- ☐ Confirm RecyClass Class A or B before launch
- ☐ Verify CEFLEX D4ACE Phase 2 compliance for complex structures (guidelines.cefex.eu)
- ☐ Obtain a Declaration of Conformity from the film supplier (Reg. (EU) 10/2011 + 2025/351 for food contact)

PPWR deadlines: DoC mandatory from 12 August 2026 · Classes D-E banned from 1 January 2030 · Class C banned from 1 January 2038

Sources: CEFLEX D4ACE Phase 2 Sept 2025 · RecyClass DfR Guidelines 2025 · PPWR (EU) 2025/40 · EC Guidance C(2026) 2151

v1 · vimpoliplast.ro/en/resources/ — Always check the latest version online.