

	FULL COMPATIBILITY	LIMITED COMPATIBILITY	NON-COMPATIBILITY
MATERIAL COMPOSITION (AMOUNT OF PET & PO ATTACHMENTS IN THE PACKAGING)	A >= 95%, B >= 80% and all packaging features are FULLY compatible with recycling	C >= 70% and all packaging features are FULLY compatible with recycling	Non-recyclable < 70% and all packaging features are FULLY compatible with recycling
DESCRIPTION (TEST PROTOCOL)	Materials that passed the testing protocols with no negative impact ⁴ OR materials that have not been tested (yet), but are known to be acceptable in white opaque PET recycling	Materials that passed the testing protocols if certain conditions are met ⁴ OR materials that have not been tested (yet), but pose a low risk of interfering with white opaque PET recycling	Materials that failed the testing protocols OR materials that have not been tested (yet), but pose a high risk of interfering with white opaque PET recycling
DESCRIPTION (METHODOLOGY)	In case of at least one limited compatibility one penalty is applied, lowering the recyclability class from A to B or from B to C	In case of at least one limited compatibility one penalty is applied, lowering the recyclability class from C to non-recyclable	Non-recyclable
MAIN BODY	MATERIAL ¹	PET	PLA; PVC; PS; PETG; PC; PBT
	COLOURS ²	Monolayer PET bottles; External side of the bottle with L* > 85	External side of the bottle with L* < 80; Other opaque colours; Fluorescence; Metallic
	SIZE		< 4 cm (compacted); > 5 liter content
	PRODUCT RESIDUES (EASY TO EMPTY INDEX)	A if the index is < 5 %; B if the index is < 10 %	Index is >= 15 %
	BARRIER	SiOx coating;	PA-MXD6 multilayer with >5wt% PA-MXD6 or with tie layers; Monolayer PA-MXD6 blend; EVOH
	ADDITIVES	TiO ₂ content < 8 wt%; PET masterbatch carrier	TiO ₂ content > 9 wt%; Other fillers; Non-PET masterbatch carrier; Bio-/oxo-/photodegradable additives; Nanocomposites
ATTACHMENTS	CLOSURE SYSTEM	PE (with density <1 g/cm ³); PP (with density <1 g/cm ³)	Materials and blends with density >1 g/cm ³ (e.g. highly filled PE, metals,...); Non detaching or welded closures
	LINERS, SEALS AND VALVES	PE; PE + EVA; PP; TPO (all with a density < 1 g/cm ³); TPS (with density <0.95g/cm ³)	Materials with density >1 g/cm ³ (e.g. PVC, silicone, metals);
	OTHER COMPONENTS	Base cup, handles or other components which are separated by grinding and float/sink - all with density <1 g/cm ³	Materials with density >1 g/cm ³ (e.g. metal, RFID tags); Non detaching or welded components
DECORATION ³	FACESTOCK LABEL MATERIAL ³	PE; PP; OPP (all with density <1 g/cm ³)	Labels which hinder the recognition of the underlying PET-polymer (e.g. too large, metalised, heavily inked); Labels with density >1 g/cm ³ (e.g.PVC; PS; PET; PETG; PLA); Metallized labels; Non-detaching or welded labels; Paper labels with fibreloss; Foamed PETG labels (even with density <1 g/cm ³); PET labels with washable inks
	ADHESIVES FOR LABELS	Alkali/water releasable adhesive at 70-90°C	Alkali/water soluble adhesive; Alkali/water non-releasable adhesive at 70-90°C
	SLEEVES ³	PE; PP; OPP sleeves not hampering NIR and colour sorting (all with density <1 g/cm ³)	Sleeves which hinder the recognition of the underlying PET-polymer (e.g. too large, metalised, heavily inked); Sleeves with density >1 g/cm ³ (e.g.PVC; PS; PET; PETG); Foamed PETG sleeves (even with density <1 g/cm ³); PET sleeves with washable inks
	TAMPER EVIDENCE WRAP	PE; PP; OPP (all with density <1 g/cm ³)	Materials with density >1 g/cm ³ (e.g metal; PVC; PS; PETG); Metallised materials; Foamed PETG (even with density <1 g/cm ³); PET with washable inks
	INKS	Retentive inks compliant with EuPIA Exclusion Policy; Inks applied on removable labels/sleeves not hampering the sorting into a white opaque PET stream	Bleeding inks; Inks non-compliant with EuPIA Exclusion Policy; Metallic inks; Washable inks; Any other direct printing
	OTHER DECORATIVE TECHNOLOGIES	Laser marking for production or expiry date	Any other laser marking

RECYCLED CONTENT: No change in the recyclability assessment. A separate '[Recycled Plastics Traceability Certification](#)' based on a Chain of Custody approach is available with RecyClass

¹ Polymer resin can be either fossil- or bio-based, virgin or recycled.

² Recyclability tests will be performed in 2025 to clarify the impact of black inner layers of multilayers on the colour of the recyclass

³Decorative technologies must not hinder the recognition of the underlying PET-polymer. Features as size, print, mass colouration and/or barrier might require to perform a Sorting Evaluation Protocol. Known misleading features are listed on the RecyClass Methodology and the following size indications can be considered to ensure the recognition of PET:

- Size of non-PET surfaces on containers > 500 ml: < 70% coverage

- Size of non-PET surfaces on containers ? 500 ml: < 50% coverage

⁴ Approved technologies can be found [here](#)

Last update: July 2025