Transparent Coloured PET Bottles

		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*** OR materials that have not been tested (yet), but are known to be acceptable in PET recycling	Materials that passed the testing protocols if certain conditions are met*** OR materials that have not been tested (yet), but pose a low risk of interfering with PET recycling	Materials that failed the testing protocols OR materials that have not been tested (yet), but pose a high risk of interfering with 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 *	PET		PLA; PVC; PS; PETG; PC; PBT
MAIN BODY	COLOURS	Transparent light colours	Transparent dark colours	Opaque; Fluorescence; Metallic
MAIN BODY	SIZE			< 4 cm (compacted); > 5 liter content
MAIN BODY	PRODUCT RESIDUES (EASY TO EMPTY INDEX)	A if the index is < 5 %; B if the index is < 10 %	C if the index is < 15 %	Index is >= 15 %
MAIN BODY	BARRIER	SiOx coating; Carbon plasma-coating; PA-MXD6 multilayer with <6wt% PA-MXD6 and no tie layers; PTN alloy	EVOH multilayer with <3 wt% EVOH and no tie layers; PA-MXD6 multilayer with <6wt% PA-MXD6 including tie layers; Monolayer PA-MXD6 blend; PGA multilayer	EVOH multilayer with >3wt% EVOH or with tie layers; PA-MXD6 multilayer with >6wt% PA-MXD6
MAIN BODY	ADDITIVES		UV stabilizers; Acetaldehyde (AA) blockers; Optical brighteners; Oxygen scavengers	Bio-/oxo-/photodegradable additives; Nanocomposites
ATTACHMENTS	CLOSURE SYSTEM	PE (with density <1 g/cm³); PP (with density <1 g/cm³)		Materials and blends with density >1 g/cm³ (e.g. highly filled PE, metals,…); Non detaching or welded closures
ATTACHMENTS	LINERS, SEALS AND VALVES	PE; PE + EVA; PP; TPO (all with a density < 1 g/cm³); TPS (with density <0.95g/cm³)	Foamed PET (with density <0.95g/cm³); Floatable silicone (with density <0.95/cm³	Materials with density >1 g/cm³ (e.g. PVC, silicone, metals);
ATTACHMENTS	OTHER COMPONENTS	Base cup, handles or other components which are separated by grinding and float/sink - all with density <1 g/cm³		Materials with density >1 g/cm³ (e.g. metal, RFID tags); Non detaching or welded components
DECORATION**	FACESTOCK LABEL MATERIAL	PE; PP; OPP (all with density <1 g/cm³)	EPS; foamed PET; Lightly metallized labels (all with density <0.95 g/cm³); Paper labels without fibrelosses	Labels which hinder the recognition of the underlaying PET-polymer (e.g. too large, metalised, heavily inked); Labels with density >1 g/cm³ (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/cm³); PET labels with washable inks
DECORATION**	ADHESIVES FOR LABELS	Alkali/water releasable adhesive at 70-90°C		Alkali/water soluble adhesive; Alkali/water non-releasable adhesive at 70-90°C
DECORATION**	SLEEVES	PE; PP; OPP (all with density <1 g/cm³)	Full sleeves translucent for IR detection in PE; PP; OPP (all with density <1 g/cm³); EPS; foamed PET; LDPET (all with density <0.95 g/cm³) INTERIM: Twin-perforated sleeves for household and personal care conform guidelines by EPBP	Sleeves which hinder the recognition of the underlaying PET-polymer (e.g. too large, metalised, heavily inked); Sleeves with density >1 g/cm³ (e.g.PVC; PS; PET; PETG); Foamed PETG sleeves (even with density <1 g/cm³); PET sleeves with washable inks
DECORATION**	TAMPER EVIDENCE WRAP	PE; PP; OPP (all with density <1 g/cm³)	EPS; Foamed PET, LDPET (all with density <0.95 g/cm³)	Materials with density >1 g/cm³ (e.g metal; PVC; PS; PETG); Metallised materials; Foamed PETG (even with density <1 g/cm³); PET with washable inks
DECORATION**	INKS	Retentive inks compliant with EuPIA Exclusion Policy; Inks applied on removable labels/sleeves	Production or expiry date (direct printing)	Bleeding inks; Inks non-compliant with EuPIA Exclusion Policy; Metallic inks; Washable inks; Any other direct printing
DECORATION**	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

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

**Decorative technologies must not hinder the recognition of the underlaying 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

*** Approved technologies can be found here

Last update: January 2025

RecyClass
Avenue de Broqueville 12
1150 Brussels, Brussels

Phone: +32 2 786 39 08
info@recyclass.eu
www.recyclass.eu