

	FULL COMPATIBILITY	LIMITED COMPATIBILITY	NON-COMPATIBILITY
MATERIAL COMPOSITION (AMOUNT OF PE IN THE PACKAGING)	A >= 95%, B >= 90% and all packaging features are FULLY compatible with recycling	C >= 70% and all packaging features are FULLY compatible with recycling	D >= 50%, E >= 30%, F <= 30% 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 PE 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 PE recycling	Materials that failed the testing protocols OR materials that have not been tested (yet), but pose a high risk of interfering with PE 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 D	In case of at least one limited compatibility one penalty is applied, lowering the recyclability class from D to E or from E to F
MAIN BODY	MATERIAL *	HDPE; Multilayer PE with HDPE prevalence (LLDPE, LDPE, MDPE)	Multilayers HDPE with PLA; PVC; PS; PET; PETG
	COLOURS	Natural (clear)	Black Inner layer; Black; Carbon Black; Other dark colours
	SIZE		Items compacted < 2 cm
	PRODUCT RESIDUES (EASY TO EMPTY INDEX)	A if the index is < 5%; B if the index is < 10%	D if the index is < 20%; E < if the index is 25%; F if the index is > 25%
	BARRIER	EVOH < 6.0%wt + PE-g-MAH tie layers with MAH > 0.1%wt and EVOH:tie layers ratio <= 2; .Enkase (flugiration)	EVOH > 1% with any other tie layers; PA; PVDC; Aluminium
	ADDITIVES	Additives that are unavoidable in processing (stabilizers, antioxidants, lubricants, nucleating agents, peroxides) and density remains < 0,97 g/cm³	Additives changing the material density > 1 g/cm³; Flame-retardant additives, plasticizers; Bio-/oxo-/photodegradable additives
ATTACHMENTS	CLOSURE SYSTEM	HDPE; LDPE; LLDPE; MDPE	Non-PO and/or foams with density < 1 g/cm³; Aluminium; Metal; PVC
	LINERS, SEALS AND VALVES	HDPE; LDPE; LLDPE; MDPE; TPE-PE	Non-PO and/or foams with density < 1 g/cm³; Any other TPE; Aluminium; Metal; Foiled paper; PVC
	OTHER COMPONENTS	HDPE; LDPE; LLDPE; MDPE	Aluminium; PVC; Glass components; Foams with density < 1 g/cm³
DECORATION**	INKS	Non toxic following the EuPIA Guidelines	Inks that bleed; Toxic or hazardous inks; PVC binders
	LABELS MATERIALS (PSL, WET-GLUE LABELS, WRAP-AROUND LABELS, IML)	Labels in PE (all with density < 1 g/cm³)	Labels that hinder the recognition of the PE; Labels in non PO-materials with density < 1 g/cm³; Paper labels with fibreless during recycling process; In-Mould-Labels; Aluminium; Metallised labels; PVC
	ADHESIVES FOR LABELS	Water soluble adhesive (@ less than 40°C); Water releasable adhesive (@ less than 40°C)	Non-water soluble adhesive (@ less than 40°C); Non-water releasable adhesive (@ less than 40°C)
	SLEEVES	Sleeves in PE (all with density < 1 g/cm³); Self-separable plastic and cardboard sleeves under mechanical pressure (sorting test mandatory)	Sleeves that hinder the recognition of the PE; Sleeves in non PO-materials with density < 1 g/cm³; Cardboard sleeves with fibreless during recycling process; Aluminium; Metallised sleeves; Heavily inked sleeves; PVC
	DIRECT PRINTING	Laser marked; Production or best-before date	Any other direct printing
	OTHER DECORATIVE TECHNOLOGIES		Electroplating on attachments (with density < 1 g/cm³)

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 underlying PE-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 PE:

- Size of non-PE detectable surfaces on containers > 500 ml: < 70% coverage
- Size of non-PE detectable surfaces on containers < 500 ml: < 50% coverage

Last update: Dec. 2021