

MATERIAL COMPOSITION (TOTAL AMOUNT OF PE & PP IN THE PACKAGING)		A >= 95%, B >= 80% and all packaging features are FULLY compatible with recycling		
DESCRITION (TEST PROTOCOL)		C >= 70% and all packaging features are FULLY compatible with recycling		
DESCRIPTION (METHODOLOGY)		Non-recyclable < 70% and all packaging features are FULLY compatible with recycling		
PACKAGING	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	
	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		Materials that failed the testing protocols OR materials that have not been tested (yet), but pose a high risk of interfering with PE recycling	
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	MATERIALS*	HDPE; Multilayer PE with HDPE prevalence (LLDPE, LDPE, MDPE) TPO <= 10 % (full olefinic or aliphatic structure) TPS <= 5 %	PP; 5 % < TPS <= 10 %	
	COLOURS	All colours	Black inner layer and dark colours (NIR-detectable)	
	SIZE	Items compacted <= 5 cm	Items compacted <= 2 cm	
	PRODUCT RESIDUES (EASY TO EMPTY INDEX)	A if the index is < 5 %; B if the index is < 10 %	C if the index is < 15 %	
	BARRIER	EVOH <= 6,0 % + PE-g-MAH tie layers with MAH > 0,1%wt and EVOH:tie layers ratio <= 2; Fluorination technologies approved by RecyClass; SiOx Plasma Coating	EVOH > 6,0 % + PE-g-MAH tie layers with MAH > 0,1%wt and EVOH:tie layers ratio <= 2; EVOH <= 1 % with any other tie layers; Plasma Fluorination; Metallisation; PVOH <= 1 %	
	ADDITIVES	Additives that are unavoidable in processing (stabilizers, antioxidants, lubricants, nucleating agents, peroxides) and density remains < 0,97 g/cm ³	Mineral fillers (CaCO ₃ , talc) not increasing density more than 0,97 g/cm ³	
	LAMINATING ADHESIVES	Polyurethanes and water-based acrylics < 3 %; Laminating adhesives approved as fully compatible by RecyClass; To be tested if in combination with other barrier materials than EVOH and metallisation	Polyurethanes and water-based acrylics 3-5 %; Laminating adhesives approved as limited compatible by RecyClass; To be tested if in combination with other barrier materials than EVOH and metallisation	
	CLOSURE SYSTEM	HDPE; LDPE; LLDPE; MDPE PP <= 10 %	PP > 10 %; PET; PETG; PLA; PS (all with a density > 1 g/cm ³); Removable aluminium lidding	
	LINERS, SEALS AND VALVES	HDPE; LDPE; LLDPE; MDPE; TPO; TPS; Foamed PO; EVA	PP; PET, PETG, PLA, PS (all with a density > 1 g/cm ³); Removable silicon with a density > 1 g/cm ³ ;	
	OTHER COMPONENTS	HDPE, LDPE, LLDPE, MDPE	PP; PET; PETG; PLA; PS all with density > 1 g/cm ³	
ATTACHMENTS	LABEL MATERIALS	PE	PP, PO (with density < 1 g/cm ³); PET, PETG, PLA, PS (all with density > 1 g/cm ³); Paper without fibres; PO-foamed;	
	ADHESIVES FOR LABELS	Releasable in the recycling process	Non-releasable adhesive approved by RecyClass in combination with filmic PO labels; Acrylic emulsion; Hotmelt rubber	
	IN-MOULD-LABELS	In-Mould-Labels in PE printed with < 1 wt% of the total packaging; Releasable in the recycling process	Any other In-Mould-Labels in PE	
	SLEEVES	PE; Self-separable plastic and cardboard sleeves under mechanical pressure (sorting test mandatory)	PO (with density < 1 g/cm ³); PET, PETG, PET-C, PLA, PS (all with density > 1 g/cm ³); Cardboard sleeves without fibres (sorting test mandatory)	
	INKS	Retentive inks compliant with EuPIA Exclusion Policy; Inks & lacquer for direct printing representing < 1 wt% of the total packaging, not hindering NIR detection	More than 1 wt% direct printing (to be tested)	
	OTHER DECORATIVE TECHNOLOGIES	Laser marking	Electroplating on attachments (with density > 1 g/cm ³); Cold transfer and hot stamping technologies not hindering NIR detection	
			Electroplating on attachments (with density < 1 g/cm ³)	

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. If different grades of the same polymer are present, weights should be cumulated

** Decorative technologies must not hinder the recognition of the underlaying 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 surfaces on containers > 500 ml: < 70% coverage

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

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

Last update: July 2025