

	CATEGORY	FULL COMPATIBILITY	LIMITED COMPATIBILITY	NONCOMPATIBILITY
	Material Composition (total amount of PE & PP attachments in the packaging)	A ≥ 95 %, B ≥ 80 %	C ≥ 70 %	Non-recyclable < 70 %
	Description (Testing 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 non-recyclable	Non-recyclable
MAIN BODY	Materials**	Oriented and non-oriented LDPE, LLDPE (including PE-plastomers), HDPE; EVA , EBA, EEA, EMA copolymers with vinyl acetate and acrylate monomers representing ≤ 5 % of the film; EMAA, EAA copolymers & Ionomers ≤ 20 % C3C2-plastomers ≤ 15 % Electron-beam treatment with average received dose ≤ 9 kGy ***	Multilayer PE/PP with PP ≤ 5 % Electron-beam treatment with average received dose ≤ 15 kGy ***	Multilayer PE/PP with PP > 5 %; Any other polymer (e.g. PET, PVC, etc.) Electron-beam treatment with average received dose > 15 kGy ***
	Colours	Unpigmented; transparent	Light colours; translucent colours	Dark colours; black; carbon black
	Size	Packaging surface > 100 cm²	Packaging surface between 30 and 100 cm² (Sorting test)	Packaging surface ≤ 30 cm ²
	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 %
	Barriers	SiO _x and AlO _x without additional coatings; EVOH ≤ 5 % + PE-g-MAH tie layers with MAH > 0.1% and EVOH:tie layer ratio ≤ 1	EVOH ≤ 5 % + PE-g-MAH tie layers with MAH > 0.1% and EVOH:tie layer ratio > 1; ≤ 15 % PA 6/6.6 copolymer with melting temperature ≤ 192°C and incorporating minimum 10 % PE-g-MAH tie layers	EVOH > 5 %; Any other PA; Metallisation; PVOH PVC, PVDC; any other barrier layer; AlO_x coating with PVOH primer ; aluminium
	Additives	Additives that do not increase the density higher than 0.97 g/cm ³		Bio-/oxo-/photodegradable additives; foaming agents used as expanding chemical agents; Additives that do increase the density higher than 0.97 g/cm ³ (CaCO ₃ , talc, glass fibers, etc.)
	Laminating Adhesives	Aliphatic polyurethanes ≤ 2.5 % ; Laminating adhesives approved as fully compatible by RecyClass; To be tested if in combination with barrier other than EVOH	Water-based acrylics ≤ 2.5 % Laminating adhesives approved as limited compatible by RecyClass; To be tested if in combination with barrier other than EVOH	Aliphatic polyurethanes & water-based acrylics > 2.5 % ; Aromatic polyurethanes; Laminating adhesive specially developed for high thermal applications above boiling and/or for high chemical resistance; Any other laminating adhesives (epoxy, etc.)
	ATTACHMENTS	Closure Systems	LDPE, LLDPE (including PE-plastomers), HDPE	PP
Liners, Seals and Valves		LDPE, LLDPE (including PE-plastomers), HDPE	PP, removable aluminium liddings	Metal, aluminium, PVC, PET, PETG, PS, PLA, foiled paper, non-PO or foams with density ≤ 1 g/cm ³
Other Components		LDPE, LLDPE (including PE-plastomers), HDPE	PP	Metal, aluminium, PVC, PET, PETG, PS, PLA, or foams with density ≤ 1 g/cm ³
DECORATION*****	Facestock Label Materials	PE	PP	Metallized labels, any other; paper labels
	Adhesives for Labels	Water soluble or water-releasable at less than 40 °C		Adhesives non-soluble in water or non-releasable in water at less than 40 °C
	Inks	Non-bleeding (retentive)**** inks compliant with EuPIA Charter ; Inks & lacquers based on PU, PVB, PA (all with no NC); Printed production or expiry date	Mandatory information (product name, ingredients, barcode, etc.); Inks ≤ 0.25 %	NC-based inks; Bleeding inks; Inks non-compliant with EuPIA Charter ; PVC co- and terpolymer binders; Any other chlorinated binders
	Other Decorative Technologies	Laser marking for production or expiry date	Laser marking with coverage ≤ 30 %;	

Disclaimer: Use of recycled content does not impact the recyclability assessment.

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

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

***Electron-beam thresholds to be finetuned with additional data.

****Non-bleeding (retentive) inks behavior can be evaluated using RecyClass Quick Test Procedure for Bleeding Inks applied on PE & PP Films.

*****Packaging printed/decorated on more than 30% of the total surface of the packaging must be assessed with the Design for Recycling Guidelines for coloured PE flexible packaging