

	CATEGORY	FULL COMPATIBILITY	LIMITED COMPATIBILITY	NON COMPATIBILITY
	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	Light colours; translucent colours	NIR-detectable dark colours (Sorting test)	Non NIR-detectable dark colours
	Size	Packaging surface > 100 cm²	Packaging surface between 30 and 100 cm² (Sorting test)	Packaging surface ≤ 30 cm²
	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	SiOx and AlOx 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 M _g > 0.1 % and EVOH:tie layer ratio > 1; Metallisation; PVOH ≤ 1 % & soluble EVOH ≤ 2 % with melt temperature ≤ 225°C ≤ 15 % PA 6/6.6 copolymer with melting temperature ≤ 192 °C and incorporating ≥ 10 % PE-g-MAH tie layers	EVOH > 5 %; Any other PA; PVOH > 1 %; PVC, PVDC barrier layers; any other barrier layer; aluminium
	Additives	Additives that do not increase the density higher than 0,97 g/cm³		Bio-/oxo-/photodegradable additives; foaming agents used as expanding chemical agents; Additives that do increase the density higher than 0,97 g/cm³ (CaCO ₃ , talc, glass fibers, etc.)
	Laminating Adhesives	Polyurethanes and water-based acrylics ≤ 3 % ; Laminating adhesives approved as fully compatible by RecyClass; To be tested if in combination with barrier material other 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 barrier material other than EVOH and metallisation	Polyurethanes and water-based acrylics > 5 %; 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	Metal, aluminium, PVC, PET, PETG, PS, PLA, non-PO or foams with density ≤ 1 g/cm³
	Liners, Seals and Valves	LDPE, LLDPE (including PE-plastomers), HDPE	PP, removable aluminium lidding	Metal, aluminium, PVC, PET, PETG, PS, PLA, foiled paper, non-PO or foams with density ≤ 1 g/cm³
	Other Components	LDPE, LLDPE (including PE-plastomers), HDPE	PP	Metal, aluminium, PVC, PET, PETG, PS, PLA, paper, foams with density ≤ 1 g/cm³
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); Inks & varnish ≤ 5 %	≤ 0.8 % of NC-binders Inks & Varnish 5 - 7 %	> 0.8 % of NC-binders; Inks & varnish > 7 %; Bleeding inks; Inks non-compliant with EuPIA Charter ; PVC co- and terpolymer binders; Any other chlorinated binders
	Other Decorative Technologies	Laser marking with coverage ≤ 50 %	Laser marking with coverage > 50 %	

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.