

	YES - FULL COMPATIBILITY	CONDITIONAL - LIMITED COMPATIBILITY	NO - LOW COMPATIBILITY
MATERIAL COMPOSITION (TOTAL AMOUNT OF PP & 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% 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 PP 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 PP recycling	Materials that failed the testing protocols OR materials that have not been tested (yet), but pose a high risk of interfering with PP 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
PACKAGING	MATERIALS* PP TPO <= 10 % (full olefinic or aliphatic structure)	PE <= 10%	Multilayers PP with PLA; PVC; PS; PET; PETG; PE > 10% TPO (containing rubber, e.g EPDM)
MAIN BODY	COLOURS All colours	Black inner layer and dark colours (NIR-detectable)	Non NIR detectable colours
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%	D if the index is < 20%; E < if the index is 25%; F if the index is > 25%
BARRIER	EVOH <= 6% + PP-g-MAH tie layers with MAH >= 0.1wt% and EVOH:tie layers ratio <= 2;	EVOH > 6% + PP-g-MAH tie layers with MAH >= 0.1wt% and EVOH:tie layers ratio <= 2; EVOH <= 1% with any other tie layers; Metallisation	EVOH > 1% with different 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	Mineral fillers (CaCO3, talc) not increasing density more than 0,97 g/cm³	Additives changing the material density > 1 g/cm³; Flame-retardant additives, plasticizers; Bio-oxo-/photodegradable additives
LAMINATING ADHESIVES	PU < 3 wt%; Laminating adhesives approved as fully compatible by RecyClass. To be tested if in combination with a barrier material	PU between 3 and 4.5 wt% Laminating adhesives approved as limited compatible by RecyClass; To be tested if in combination with a barrier material	PU > 4.5wt% ; To be tested: Acrylics; Laminating adhesives specially developed for high thermal applications above boiling and/or for high chemical resistance
ATTACHMENTS	CLOSURE SYSTEM PP	HDPE; LDPE; LLDPE; MDPE; PET; PETG; PLA; PS (all with a density > 1 g/cm³); Removable aluminium lidding	Non-PO and/or foams with density < 1 g/cm³; Aluminium; Metal; PVC
LINERS, SEALS AND VALVES	PP; TPO; TPS <= 1%	HDPE; LDPE; LLDPE; MDPE; TPS; PET, PETG, PLA, PS (all with a density > 1 g/cm³); Removable silicon with a density > 1 g/cm³; PO foamed <= 1%	Non-PO and/or foams with density < 1 g/cm³; Any other TPE; Aluminium; Metal; Foiled paper; PVC
OTHER COMPONENTS	PP	PE with density < 1 g/cm³; PET; PETG; PLA; PS all with density > 1 g/cm³	Aluminium; PVC; Glass components; Non-PO and /or foams with density < 1 g/cm³
DECORATION*	INKS Non-bleeding inks compliant with EuPIA Exclusion Policy		Inks that bleed; Inks non-compliant with EuPIA Exclusion Policy; PVC binders
LABEL MATERIALS (PSL, WET-GLUE LABELS, WRAP-AROUND LABELS, IML)	Labels in PP (all with density < 1 g/cm³) In-Mould-Labels in PP printed with < 1 wt% of the total packaging (except dark colours and bleeding inks)	Labels in PE, PO (with density < 1 g/cm³); Labels in PET, PETG, PLA, PS (all with density > 1 g/cm³); Labels in Paper without fiberloss; PO-foamed labels Any other In-Mould-Labels in PP (except bleeding inks)	Labels that hinder the recognition of the PP; Labels in non PO-materials with density < 1 g/cm³ ; Paper labels with fiberloss during recycling process; Aluminium; Metallised labels; PVC Cardboard or paper in In-Mould-Labels;
ADHESIVES FOR LABELS	Water soluble or water releasable adhesive (@ less than 40°C)	Non-water soluble or non-releasable adhesive approved by RecyClass in combination with filmic PO labels	Non water soluble or non water releasable adhesives
SLEEVES	Sleeves in PO (all with density < 1 g/cm³), Self-separable plastic and carboard sleeves under mechanical stress (sorting test mandatory)	Sleeves in PE (with density < 1 g/cm³); Sleeves in PET, PETG, PET-C, PLA, PS (all with density > 1 g/cm³). Carboard sleeves without fiberloss (sorting test mandatory)	Sleeves that hinder the recognition of the PP; Sleeves in non PO-materials with density < 1 g/cm³ ; Carboard sleeves with fiberloss during recycling process; Aluminium; Metallised Sleeves; PVC; Heavily inked sleeves;
DIRECT PRINTING	Laser marked; Production or best-before date, Direct printing (inks + laquer) representing <1wt% of the total packaging (except dark colours)	Any other direct printing, Cold transfer and hot stamping technologies that does not hinder the recognition of the underlying PP-polymer	
OTHER DECORATIVE TECHNOLOGIES		Electroplating on attachments (with density >1 g/cm³)	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. If different grades of the same polymer are present, weights should be cumulated.

** Decorative technologies must not hinder the recognition of the underlying PP-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 PP:

- Size of non-PP surfaces on containers > 500 ml: < 70% coverage

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

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