	CATEGORY	FULL COMPATIBILITY	LIMITED COMPATIBILITY	NON COMPATIBILITY
	Material Composition (total amount of PP & amount of PE 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 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 non-recyclable	
PACKAGING	**Materials***	PP TPO ≤ 10 % (full olefinic or aliphatic structure) TPS ≤ 10 %	PE ≤ 10 %	Multilayers PP with PLA, PVC, PS, PET, PETG; PE > 10 % TPO (containing rubber, e.g EPDM)
	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%	Index is > 15 %
	Barriers	EVOH ≤ 6.0 % + PO-g-MAH tie layers with MAH ≥ 0.1 % and EVOH:tie layers ratio ≤ 2;	EVOH > 6.0 % + PO-g-MAH tie layers with MAH ≥ 0.1 % and EVOH:tie layers ratio ≤ 2; EVOH ≤ 1 % with any other tie layers; Metallisation	EVOH > 1 % with different tie layers; PA; PVDC; Aluminium
	Additives and Fillers	Additives that are unavoidable in processing (stabilizers, antioxidants, lubricants, nucleating agents, peroxides) and non-foamed blend density remains ≤ 0.97 g/cm³. Mineral fillers ($CaCO_3$, talc) not increasing non-foamed blend density more than 0.97 g/cm³.	Additives that are unavoidable in processing (stabilizers, antioxidants, lubricants, nucleating agents, peroxides) and non-foamed blend density remains between 0.97 and 1 g/cm³ (to be tested). Mineral fillers ($CaCO_3$, talc) leading to a non-foamed blend density between 0.97 and 1 g/cm³ (to be tested).	Additives changing the material density > 1 g/cm³, Flame-retardant additives, plasticizers, Bio-/oxo-/photodegradable additives
	Laminating Adhesives	Acrylics ≤ 2.5 %; PU ≤ 3 %; Laminating adhesives approved as fully compatible by RecyClass; To be tested if in combination with other barrier material than metallisation	PU between 3 and 4.5 % Laminating adhesives approved as limited compatible by RecyClass; To be tested if in combination with other barrier material than metallisation	PU > 4.5 %; To be tested: Laminating adhesives specially developed for high thermal applications above boiling and/or for high chemical resistance
ATTACHMENTS	**Closure Systems**	PP	HDPE, LDPE, LLDPE, MDPE; PET, PETG (all with a density > 1 g/cm³); Removable aluminium lidding	Non-PO and/or foams with density ≤ 1 g/cm³, Aluminium, Metal, PVC, PS, PLA****
	Liners, Seals and Valves	PP; TPO; TPS; PO foamed	HDPE, LDPE, LLDPE, MDPE; PET, PETG (all with a density > 1 g/cm³); Removable silicon with a density > 1 g/cm³;	Non-PO with density ≤ 1 g/cm³, Any other TPE; Aluminium; Metal; Foiled paper; PVC; PS; PLA****
	Other Components	PP	PE with density ≤ 1 g/cm³; PET; PETG;	Aluminium, PVC, glass components; PS, PLA**** Non-PO and/or foams with density ≤ 1 g/cm³
DECORATION***	**Label Materials**	PP (with density ≤ 1 g/cm³)	PE, PO (with density ≤ 1 g/cm³) PET, PETG (all with a density > 1 g/cm³); Paper without fibre loss, PO-foamed	Labels that hinder the recognition of the PP; Non-PO materials with density ≤ 1 g/cm³ ; Paper with fibre loss during recycling process Aluminium; Metallised labels; PVC; PS, PLA****
	Adhesives for Labels	Releasable in the recycling process	Non-releasable adhesive approved by RecyClass in combination with filmic PO labels;	Non-releasable in the recycling process
	In-mould-labels	In-Mould-Labels in PP printed with ≤ 1 % of the total packaging Releasable in the recycling process	Any other In-Mould-Labels in PP	Non-releasable in the recycling process in other materials than PO; Cardboard or paper in In-Mould Labels
	Sleeves	Sleeves in PO (with density ≤ 1 g/cm³), Self-separable plastic and cardboard sleeves under mechanical stress (sorting test mandatory)	Sleeves in PE (with density ≤ 1 g/cm³); Sleeves in PET, PETG, PET-C (all with a density > 1 g/cm³); Cardboard sleeves without fibre loss (sorting test mandatory)	Sleeves that hinder the recognition of the PP; Sleeves in non PO materials with density ≤1 g/cm³ ; Cardboard sleeves with fibre loss during recycling process; Aluminium; Metallised Sleeves; PVC; PS, PLA****
	Inks	Non-bleeding (Retentive)** inks compliant with EuPIA Charter Inks & Lacquers for direct printing representing ≤ 1 % of the total packaging not hindering NIR detection	More than 1 % direct printing	Bleeding inks**, Inks non-compliant with EuPIA Charter; PVC co- and terpolymers binders; any other chlorinated binders;
	Other Decorative Technologies	Laser marking	Electroplating on attachments (with density > 1 g/cm³) Cold transfer and hot stamping technologies not hindering NIR detection	Electroplating on attachments (with density ≤ 1 g/cm³)

Disclaimer: Use of recycled content does not impact the recyclability assessment.
*Polymer resin can be either fossil- or bio-based, virgin or recycled.
**According to the QUICK TEST PROCEDURE FOR BLEEDING INKS PRINTED ON HDPE & PP CONTAINERS
*** Decorative technologies must not hinder the recognition of the underlaying 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
****Due to inefficiencies in sink-float separation, limited market uptake, and constraints around certification validation

Last updated: March 2026