Coloured PP Flexible Films for Household and Commercial Packaging

		YES - FULL COMPATIBILITY	CONDITIONAL - LIMITED COMPATIBILITY	NO - LOW COMPATIBILITY
	MATERIAL COMPOSITION (TOTAL AMOUNT OF **PP** & AMOUNT OF **PE ATTACHMENTS** 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
MAIN BODY	MATERIAL*	Oriented and non-oriented PP (including PP-plastomers)	Multilayer PP/PE with PE <= 10%	Any other polymer (ex. PET, PVC, etc.)
MAIN BODY	COLOURS	Light colours; translucent colours	NIR-detectable dark colours (Sorting test)	Non NIR-detectable dark colours
MAIN BODY	SIZE	> A4 or > 50 x 50 mm once compacted	< A4 format or between 20 x 20 and 50 x 50 mm once compacted (Sorting test)	< 20 x 20 mm
MAIN BODY	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%
MAIN BODY	BARRIER	SiOx and AlOx without additional coatings	<= 5% EVOH (in polyolefinic combination film); Metallisation	>5% EVOH (in polyolefinic combination film); Barrier layer PVC, PVDC, PA; AlOx coating with PVOH primer; any other barrier layer; aluminium
MAIN BODY	ADDITIVES	Additives that do not increase the density higher than 0,97 g/cm³	PBT Voiding Agent <5%	Bio-/oxo-/photodegradable additives; foaming agents used as expandant chemical agents; Additives that do increase the density higher than 0,97 g/cm³ (CaCO3, talc, glass fibers, etc.)
MAIN BODY	LAMINATING ADHESIVES	Polyurethanes <= 3%; Laminating adhesives approved as fully compatible by RecyClass; To be tested if in combination with a barrier material	Polyurethanes between 3 and 4.5%; Laminating adhesives approved as limited compatible by RecyClass; To be tested if in combination with a barrier material	Polyurethanes > 4.5%; To be tested: Acrylics; Laminating adhesives specially developed for high thermal applications above boiling and/or for high chemical resistance; Any other laminating adhesives
ATTACHMENTS	CLOSURE SYSTEM	PP (including PP-plastomers)	PE	Metal, aluminium, PVC, PET, PETG, PS, PLA, non PO or foams with density < 1 g/cm³
ATTACHMENTS	LINERS, SEALS AND VALVES	PP (including PP-plastomers)	PE, removable aluminium liddings	Metal, aluminium, PVC, PET, PETG, PS, PLA, foiled paper, non PO or foams with density < 1 g/cm³
ATTACHMENTS	OTHER COMPONENTS	PP (including PP-plastomers)	PE	Metal, aluminium, PVC, PET, PETG, PS, PLA, paper, 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
DECORATION	LABELS	PP	PE	Metallized labels, any other; paper labels
DECORATION	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
DECORATION	DIRECT PRINTING	Laser marked print; Printed production or expiry date; printing covering < 50%**	Printing covering > 50% **	

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.

**Nitrocellulose (NC) based inks impact on recyclability is under investigation by RecyClass.

Last update: January 2024

c/o Plastics Recyclers Europe
Avenue de Broqueville 12
1150 Brussels, Brussels

Phone: +32 2 786 39 08
info@recyclass.eu
www.recyclass.eu