

	FULL COMPATIBILITY	LIMITED COMPATIBILITY	NON-COMPATIBILITY
MATERIAL COMPOSITION (AMOUNT OF PS IN THE PACKAGING)*	A >= 95%, B >= 80% and all packaging features are FULLY compatible with recycling	C >= 70% and all packaging features are FULLY compatible with recycling	Non-recyclable < 70% 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 PS 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 PS recycling	Materials that failed the testing protocols OR materials that have not been tested (yet), but pose a high risk of interfering with PS 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
PACKAGING	MATERIAL*	PS	PS foamed < 1 g/cm³; multilayers (e.g. PET, PETG, PVC, PLA, HDPE, PP)
MAIN BODY	COLOURS	Light colours	Dark colours (NIR detectable)
	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 %
	BARRIER	EVOH <= 5.0 wt% + PE-g-MAH tie layers and EVOH:Tie layers ratio <= 1	PA; PVDC
ATTACHMENTS	ADDITIVES	Additives that are unavoidable in processing (stabilizers, antioxidants, lubricants, nucleating agents, peroxides) and in formulation (SBS copolymer) with density remains between 1 and 1,07 g/cm³	Mineral fillers (CaCO3, talc) not increasing density > 1,07 g/cm³
	CLOSURE SYSTEM	PS	Removable PP and/or PE, paper without fiberloss
	LINERS, SEALS AND VALVES	PS	PP; PE; EVA; TPE (non welded and with density <1 g/cm³)
	LIDS	PS	Removable PP and/or PE; Removable aluminium lidding; Removable PET; Paper without fiberloss;
DECORATION**	OTHER COMPONENTS	PS	Removable PP and/or PE; paper without fiberloss
	LABEL MATERIALS	PS	PP, PE (with density < 1 g/cm³); Label in paper without fiberloss
	ADHESIVES FOR LABELS	Releasable in the recycling process	Labels that hinder the recognition of the PS; PET; PETG; PVC; PLA; Paper with fiberloss; In-Mould-Labels; Metallised materials; Aluminium
	SLEEVES	PS; Self-separable plastic and cardboard sleeves under mechanical pressure (sorting test mandatory)	PVC; Non removable aluminium lidding; paper with fiberloss; non-removable PET. Multilayer PET/paper or PET/PS; Any other material with density >1 g/cm³
	INKS	Retentive inks compliant with EuPIA Exclusion Policy; Inks & lacquers for direct printing representing < 1 wt% of the total packaging, not hindering NIR detection	PET; PETG; PVC; PLA; Any other material with density >1 g/cm³; Metal; metal foil; silicone
	OTHER DECORATIVE TECHNOLOGIES	Laser marking	PVC; Non removable aluminium lidding; paper with fiberloss; non-removable PET. Multilayer PET/paper or PET/PS; Any other material 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. EPS commercial packaging should refer to other existing DIR Guidelines (i.e. EPS white goods and EPS fish boxes). XPS and EPS household packaging are not recycled into the PS stream. To recycle them, it is necessary to develop a separate stream.

** [Decorative technologies](#) must not hinder the recognition of the underlying PS-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 PS:

- Size of non-PS surfaces on containers > 500 ml: < 70% coverage
- Size of non-PS surfaces on containers < 500 ml: < 50% coverage

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

Last update: July 2025