

# PS COLOURED CONTAINERS (except XPS and EPS)

	YES - FULL COMPATIBILITY	CONDITIONAL - LIMITED COMPATIBILITY	NO - LOW COMPATIBILITY
CLASS RANKING*	<b>A-B</b>	<b>B-C</b>	<b>D-E-F</b>
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
CONTAINER	PS		PS foamed < 1 g/cm <sup>3</sup> ; multilayers
MATERIAL COMPOSITION	A when PS content is > 95%; B when PS content is > 90%	C when PS content is > 70%	D when PS content is > 50%; E when PS content is > 30%; F when PS content is < 30%
COLOURS	Light colours	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	PA; PVDC
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/cm <sup>3</sup>	Mineral fillers (CaCO <sub>3</sub> , talc) not increasing density > 1,07 g/cm <sup>3</sup>	Additives increasing density > 1,07 g/cm <sup>3</sup> ; Bio/oxo/photodegradable additives
CLOSURE SYSTEM	PS	PP, PE, paper without fiberloss	PET; PETG; PVC; PLA; Paper with fiberloss; Any other material with density >1 g/cm <sup>3</sup> ; Non-detaching or welded closures; Aluminium; metal
LINERS, SEALS AND VALVES	PS	PP; PE; EVA; TPE; Removable aluminium lidding	PET; PETG; PVC; PLA; Any other material with density >1 g/cm <sup>3</sup> ; Metal; metal foil; silicone
LIDS	PS	PP; PE; Removable aluminium lidding; Paper without fiberloss	PVC; Aluminium foil; paper with fiberloss; Multilayer PET/paper or PET/PS; Any other material with density >1 g/cm <sup>3</sup>
LABELS	Labels in PS*  * with a print and/or barrier that does not hinder the recognition of the underlying PS-polymer	Labels in PP, PE (with density < 1 g/cm <sup>3</sup> )*; Label in paper without fiberloss*; Pressure Sensitive Labels*; In-Mould Labels*  * with a size, a print and/or barrier that does not hinder the recognition of the underlying PS-polymer: - Indication label size on containers > 500 ml: < 70% coverage - Indication label size on containers ≤ 500 ml: < 50% coverage	Labels that hinder the recognition of the PS; PET; PETG; PVC; PLA; Paper with fiberloss; Aluminium; Metallised materials
SLEEVES	Sleeves in PS*  * with a print and/or barrier that does not hinder the recognition of the underlying PS-polymer	Sleeves in PP, PE (with density < 1 g/cm <sup>3</sup> )*  * with a size, a print and/or barrier that does not hinder the recognition of the underlying PS-polymer: - Indication label size on containers > 500 ml: < 70% coverage - Indication label size on containers ≤ 500 ml: < 50% coverage	Sleeves that hinder the recognition of the PS; PET; PETG; PVC; PLA; Aluminium; Metallised materials; Heavily inked sleeves
ADHESIVES FOR LABELS	Water soluble or water releasable adhesive (@ less than 40°C)		Non water soluble or non water releasable adhesives
INKS	Non toxic and non-bleeding inks (follow the EuPIA Guidelines)		Inks that bleed; Toxic or hazardous inks; PVC binders
DIRECT PRINTING	Laser marked; Production or best-before date	Printing covering < 50%	Printing covering > 50%
OTHER COMPONENTS	PS	PP, PE, paper without fiberloss	PET; PETG; PVC; PLA; metal; metal foil; any other material with density >1 g/cm <sup>3</sup>
RECYCLED CONTENT	No change in the recyclability assessment. A separate 'Recycled Content Traceability Certification' based on a Chain of Custody approach is available with RecyClass		

\* Class ranking resulting from the RecyClass assessment. B class is reported two times because of the 90-95% amount of PS in the packaging or because of slight incompatibilities in the design.