

Design For Recycling

GUIDELINES for packaging

Material:

- PET bottle
- PET tray
- PP rigid
- PP flexible
- PE rigid
- PE flexible

PS

Coloured

- Paper & cardboard
- Beverage carton
- Glass
- Steel
- Aluminium



		Yes - Full compatibility	Conditional - Limited compatibility	No - Low (or no) compatibility
Main body	Material	PS		PS foamed < 1 g/cm ³ ; multilayers (PET, PETG, PVC, PLA...)
	Colours	Light colours	Dark colours (NIR detectable)	Non NIR-detectable colours
	Size		Items compacted ≤ 5 cm	Items (compactd) ≤ 2 cm
	Product residues	A if the index Easy-to-empty is < 5%; B if the index is < 10%	C if the index Easy-to-empty is < 15%	D if index <20%; E < if index 25%; F if index > 25%
	Barrier	EVOH ≤ 5.0 wt% + PE-g-MAH tie layers and EVOH:Tie layers ratio ≤ 1	EVOH > 5.0 wt% + PE-g-MAH tie layers and EVOH:Tie layers ratio ≤ 1	PA; PVdC
	Additives	Additives that are unavoidable in processing (stabilizers, antioxidants, lubricants...) and in formulation (SBS copolymer) with density that remains between 1 and 1.07 g/cm ³	Mineral fillers (CaCO ₃ , talc) not increasing density > 1.07 g/cm ³	Additives increasing density > 1.07 g/cm ³ ; Bio/oxo/photodegradable additives
Attachments	Closure Systems	PS	Removable PP and/or PE	PET; PETG; PVC; PLA; Paper; Any material with d >1 g/cm ³ ; Non detaching or welded closures; Aluminium; metal
	Liners, Seals and Valves	PS	PP; PE; EVA; TPE (non welded and with density <1 g/cm ³)	PET; PETG; PVC; PLA; Any material with d >1 g/cm ³ ; Metal; metal foil; silicone
	Lids	PS	Removable aluminium lidding ; Removable PP and/or PE	PVC; Non removable alu lidding; Paper; PET. Multilayer PET/paper or PET/PS; Any material with density >1 g/cm ³
	Other Components	PS	Removable PP and/or PE	PET, PETG, PVC, PLA, metal, metal foil, paper; Any other material with density >1 g/cm ³
	Inks	Non-bleeding inks compliant with EuPIA Exclusion Policy		Inks that bleed; Inks non-compliant with EuPIA Exclusion Policy ; PVC binders
Decoration	Label Materials (PSL, Wet-glue labels, IML, Wrap-around labels)	Labels in PS	Labels in PP, PE (with density < 1 g/cm ³); Label in paper without fiberloss	Labels that hinder the recognition of the PS; PET; PETG; PVC; PLA; Paper with fiberloss; In-Mould-Labels; Metallised materials; Aluminium
	Adhesives for labels	Water soluble adhesive(with density < g/cm ³) (@ less than 40°C); Water releasable adhesive (@ less than 40°C)		Non-water soluble adhesive (@ less than 40°C); Non-water releasable adhesive (@ less than 40°C)
	Sleeves	Sleeves in PS; Self-separable plastic and cardboard sleeves under mechanical pressure (sorting test mandatory)	Sleeves in PE, PO (with density <1 g/cm ³) not hampering the NIR detection (sorting test mandatory)	Sleeves that hinder PS recognition; Sleeves in non PO materials with d <1 g/cm ³ ; PET, PETG, PVC, PLA; Cardboard sleeves; Metallised materials; Heavily inked sleeves; Alu
	Direct Printing	Laser marked; Production or best-before date; Direct printing (inks + lacquer) representing < 1 wt% of the total packaging (except dark colours)	Any other direct printing	