Design For Recycling GUIDELINES for packaging

CIRCPACK

		Yes - Full compatibility	Conditional - Limited compatibility	No - Low (or no) compatibility
Material:	Material*	PET		Any PET based multilayer material including PET/PE; PLA; PVC; PS; PETG; C-PET; PET-GAG; Expanded PET
•DET hottlos	Material composition	A when PET content is > 95%; B when PET content is > 90% and all packaging features are FULLY compatible with recycling	C when PET content is > 70% and all packaging features are FULLY compatible with recycling	D when PET content is > 50%; E when PET content is> 30%; F when PET content is < 30%
TET-DOLLIES		Transparent clear, transparent light blue		Other transparent colours; Opaque; Fluorescence; Metallic
PET-trays	Size		Items compacted < 5 cm	Items compacted < than 2 cm
•PP rigids	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%
•PP flexibles	≥ Barrier	PET based oxygen scavenger without yellowing effect after EPBP oven test	PET based oxygen scavenger with limited yellowing effect after EPBP oven test	EVOH; PA; any other barrier; any other oxygen scavenger
•PE rigids	Additives	Silicone surface coating (on coating area); Antiblocking masterbatch (max 3%)	UV stablilisers; AA blockers; optical brighteners; antiblocking	Bio-/oxo-/photodegradable additives; Nanocomposites
•PE flexibles			masterbatch (> 3%); anti-stat agents; antiblocking agents; anti-fogging agents (on coating area)	
Paper & cardboard Beverage cartons	Closure Systems; Lidding films	Unprinted PET; Floating plastics with density < 1 g/cm ³ and easily removal from the tray and without glue residuals; Foamed PET based films where foamed structure is not getting destroyed @90°C; SiOx and AluOx plasma for barrier		Any other films
•Glass •Steel	Other Components	Inserts in HDPE / LDPE / PP like Soaker pads, bubble pads (should be completely removable, leave no traces and density <1 g/cm ³)	Paper & cardboard not losing fibres	PVC / PS / EPS / PU / PA; PC/PMMA; Thermoset plastics; Metals; Paper & cardboard loosing fibres
	Inks	Non-toxic (according to EUPIA guidelines)		Inks that bleed; Toxic or hazardous inks; Metallic inks
•Aiuminium	Labels	Labels in PE; PP; OPP (all with density <1 g/cm ³ and also in the more heavily printing area), with a size that does not hinder* the recognition of the underlaying PET-polymer (ie < 30% coverage)	BPA-free paper labels without fibreloss during recycling process	Plastic labels with density > 1 g/cm ³ ; Paper labels with fibreloss during recycling process; Paper labels containing BPA; Non floating paper labels
	Adhesives for labels	100% removable adhesives leaving no adhesive residuals on flakes at 70°C	100% removable adhesives leaving no adhesive residuals on flakes at 85°C	Any other adhesives
	Adhesives on other parts than lidding film and labels	Alkali/water soluble and alkali/water releasable adhesives at 60-80°C without reactivation	Full sleeves translucent for IR detection in PE; PP; OPP; EPS; foamed PET; LDPET; all with density <1 g/cm ³	Any other adhesive
1	Direct Printing	Laser marked print	Printed production or expiry date	Any other direct printing