## **Design For Recycling**

GUIDELINES for packaging

**CIRCPACK** 

OIDELII	NES TOT PACK	agilig		by 🕡 VEOLIA
	,	Yes - Full compatibility	Conditional - Limited compatibility	No - Low (or no) compatibility
l:	Material*	PET		PLA; PVC; PS; PETG
	Colours	Transparent clear, transparent light blue		Other transparent colours; Opaque; Fluorescence; Metallic
	Size			< 4 cm (compacted); > 5 liter content
Clear .	Product residues  Barrier	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 Easy-to-empty <20%; E < if index is 25%; F if index is > 25%
ľ	Barrier		Carbon plasma-coating; PA-MXD6 multilayer with <5wt% PA-MXD6 and no tie layers; PGA multilayer; PTN alloy	PA-MXD6 multilayer with >5wt% PA-MXD6 or with tie layers; Monolayer PA-MXD6 blend; EVOH
	Additives		UV stablilisers; Acetaldehyde (AA) blockers; Optical brighteners; Oxygen scavengers	Bio-/oxo-/photodegradable additives; Nanocomposites
ı	Closure Systems	PE (with density <1 g/cm³); PP (with density <1 g/cm³)		Materials and blends with density >1 g/cm³ (e.g. highly filled PE, metals,); Non-detaching or welded closures
ard	<del>~</del>	, , , , , , , , , , , , , , , , , , , ,	Foamed PET (all with a density < 0.95 g/cm³); Floatable silicone (with density < 0.95 g/cm³)	Materials with density >1 g/cm³ (e.g. PVC, silicone, metals)
ons	Other Components	Components which are separated by grinding and float/sink - all with density <1 g/cm³; Unpigmented PET		Materials with density >1 g/cm³ (e.g. metal, RFID tags); Non detaching or welded components; Coloured PET
	Inks	Non-toxic (according to EUPIA guidelines)		Inks that bleed; Toxic or hazardous inks; Metallic inks
		in PE; PP; OPP; EPS; foamed PET (density <1 g/cm³), with size that does not hinder the recognition of underlaying PET-polymer	Lightly metallized labels; Paper labels without fiberlosses	Labels which hinder recognition of underlaying PET-polymer; with density >1 g/cm³ (PVC; PS; PET; PETG; PLA); Metallized labels; Non-detaching or welded labels; Paper labels with fibreloss; Foamed PETG labels; PET labels with washable inks
	Adhesives for labels	Alkali/water releasable adhesive at 60-80°C without reactivation	Hot-melts; Pressure-sensitive labels	Alkali/water soluble adhesive; Alkali/water non-soluble or non-releasable adhesive at 60-80°C
	Sleeves		Full sleeves translucent for IR detection in PE; PP; OPP; EPS; foamed PET; LDPET; all with density <1 g/cm³	Sleeves which hinder the recognition of the underlaying PET-polymer; with density >1 g/cm³ (PVC; PS; PET; PETG); Foamed PETG sleeves; PET sleeves with washable inks
	Tamper Evidence Wrap	PE; PP; OPP; EPS, Foamed PET (all with density <1 g/cm³)		Materials density >1 g/cm³ (metal; PVC; PS; PET, PETG); Metallised materials