Coloured HDPE Containers and Tubes

		YES - FULL COMPATIBILITY	CONDITIONAL - LIMITED COMPATIBILITY	NO - LOW COMPATIBILITY
		A - B	B - C	D - E - F
	DESCRIPTION	**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 PE 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 PE recycling**	**Materials that failed the testing protocols OR materials that have not been tested (yet), but pose a high risk of interfering with PE recycling**
MAIN BODY	MATERIAL **	**HDPE; Multilayer HDPE with other PE (LLDPE, LDPE, MDPE)**		**Multilayers HDPE with PLA; PVC; PS; PET; PETG**
MAIN BODY	MATERIAL COMPOSITION	**A when PE content is > 95%; B when PE content is > 90%**	**C when PE content is > 70%**	**D when PE content is > 50%; E when PE content is > 30%; F when PE content is < 30%**
MAIN BODY	COLOURS	**All colours**	**Black inner layer and dark colours (NIR-detectable)**	**Non NIR-detectable colours**
MAIN BODY	SIZE		**Items compacted < 5 cm**	**Items compacted < 2 cm**
MAIN BODY	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%**
MAIN BODY	BARRIER	**EVOH < 6.0%wt + PE-g-MAH tie layers with MAH > 0,1%wt and EVOH:tie layers ratio < 2; Enkase (fluorination)**	**EVOH > 6.0%wt + PE-g-MAH tie layers with MAH > 0,1%wt and EVOH:tie layers ratio < 2; EVOH < 1% with any other tie layers**	**EVOH > 1% with any other tie layers; PA; PVDC; Aluminium**
MAIN BODY	ADDITIVES	**Additives that are unavoidable in processing (stabilizers, antioxidants, lubricants, nucleating agents, peroxides) and density remains < 0,97 g/cm³**	**Mineral fillers (CaCO3, talc) not increasing density more than 0,97 g/cm³**	**Additives changing the material density > 1 g/cm³; Flame-retardant additives, plasticizers; Bio-/oxo-/photodegradable additives**
ATTACHMENTS	CLOSURE SYSTEM	**HDPE; LDPE; LLDPE; MDPE**	**PP; PET; PETG; PLA; PS (all with a density > 1 g/cm³)**	**Non-PO and/or foams with density < 1 g/cm³; Aluminium; Metal; PVC**
ATTACHMENTS	LINERS, SEALS AND VALVES	**HDPE; LDPE; LLDPE; MDPE; TPE-PE**	**PP; TPE-PP; PET, PETG, PLA, PS (all with a density > 1 g/cm³); Removable aluminium lidding; Removable silicon with a density > 1 g/cm³**	**Non-PO and/or foams with density < 1 g/cm³; Any other TPE; Aluminium; Metal; Foiled paper; PVC**
ATTACHMENTS	OTHER COMPONENTS	**HDPE, LDPE, LLDPE, MDPE**	**PP; PET; PETG; PLA; PS all with density > 1 g/cm³**	**Aluminium; PVC; Glass components; Foams with density < 1 g/cm³**
DECORATION	INKS	**Non toxic following the EuPIA Guidelines**		**Inks that bleed; Toxic or hazardous inks**
DECORATION	LABELS	**Labels in HDPE, LDPE, LLDPE, MDPE (all with density < 1 g/cm³)* * with a print and/or barrier that does not hinder the recognition of the underlaying PE-polymer**	**Labels in PP (with density < 1 g/cm³)*; Labels in PET, PETG, PLA, PS (all with density > 1 g/cm³)*; Labels in Paper without fibreloss*; PO-foamed labels* * with a size, a print and/or barrier that does not hinder the recognition of the underlaying PE-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 PE; Labels in non PO-materials with density < 1 g/cm³; Paper labels with fibreloss during recycling process; Aluminium; Metallised labels; PVC**
DECORATION	ADHESIVES FOR LABELS	**Water soluble or water releasable adhesive (@ less than 40°C)**	**Pressure sensitive labels**	**Non water soluble or non water releasable adhesives**
DECORATION	SLEEVES	**Sleeves in HDPE, LDPE, LLDPE, MDPE (all with density < 1 g/cm³)* * with a print and/or barrier that does not hinder the recognition of the underlaying PE-polymer**	**Sleeves in PP (with density < 1 g/cm³)*; Sleeves in PET, PETG, PLA, PS (all with density >1 g/cm³)* * with a size, a print and/or barrier that does not hinder the recognition of the underlaying PE-polymer: – indication sleeve size on containers > 500 ml: < 70% coverage – indication sleeve size on containers < 500 ml: < 50% coverage**	**Sleeves that hinder the recognition of the PE; Sleeves in non PO-materials with density < 1 g/cm³; Aluminium; Metallised sleeves; Heavily inked sleeves; PVC**
DECORATION	DIRECT PRINTING	**Laser marked; Production or best-before date**	**Any other direct printing**	

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

* Class ranking resulting from the RecyClass assessment. B class is reported two times because of the 90-95% amount of PE in the packaging or because of slight incompatibilities in the design.
** Polymer resin can be either fossil- or bio-based.

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