



**PE-HD Coloured Containers**

	YES - FULL COMPATIBILITY	CONDITIONAL - LIMITED COMPATIBILITY	NO - LOW COMPATIBILITY
	A-B*	B-C*	D-E-F*
	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 HDPE 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 HDPE recycling	Materials that failed the testing protocols OR materials that have not been tested (yet), but pose a high risk of interfering with HDPE recycling
<b>Container</b>	HDPE; Multilayer HDPE with other PE (LLDPE, LDPE, MDPE).		Multilayers HDPE with PLA; PVC; PS; PET; PETG
<b>Size</b>		Items compacted < 5 cm	Items (compacted) < than 2 cm
<b>Colours</b>	All colours	Black inner layer and dark colours (NIR-detectable)	Non NIR-detectable colours
<b>Barrier</b>	EVOH<6.0%wt +3.0% PE-g-MAH tie layers with MAH>0.1%wt; Enkase (fluorination);	EVOH>6.0%wt +3.0% PE-g-MAH tie layers with MAH>0.1wt %; EVOH <1% with any other tie layers;	EVOH > 1% with any other tie layers; PA; PVDC; Aluminium
<b>Additives</b>			Additives changing the material density > 1g/cm <sup>3</sup>
<b>Closure Systems</b>	HDPE; LDPE; LLDPE; MDPE	PP; PET; PETG; PS; PLA (all with a density >1g/cm <sup>3</sup> ).	Non-PO and/or foams with density <1g/cm <sup>3</sup> ; Aluminium; Metal; PVC
<b>Liners, Seals and Valves</b>	HDPE; LDPE; LLDPE; MDPE	PP; PET, PETG, PS, PLA (all with a density >1g/cm <sup>3</sup> ). Removable aluminium fasteners; Metalisation.	Non-PO and/or foams with density <1g/cm <sup>3</sup> ; Aluminium; Metal; Foiled paper; PVC
<b>Labels</b>	Labels in HDPE, LDPE, LLDPE, MDPE (all with density <1 g/cm <sup>3</sup> ), which do not hinder* the recognition of the underlying PE-polymer.  * indication label size on containers > 500 ml: < 70% coverage * indication label size on containers ≤ 500 ml: < 50% coverage	Labels in PP (with density <1 g/cm <sup>3</sup> ), with a size that does not hinder* the recognition of the underlying PE-polymer; Labels in PET, PETG, PS, PLA (all with density >1 g/cm <sup>3</sup> ) which do not hinder* the recognition of the underlying PE-polymer. Labels in Paper without fibreless hich do not hinder* the recognition of the underlying PE-polymer. PO-foamed labels*  * Indication sleeve size on containers > 500 ml: < 70% coverage * Indication sleeve size on containers ≤ 500 ml: < 50% coverage	Labels that hinder the recognition of the PE; Paper labels with fibreless during recycling process Metallised labels; Non-PO foamed labels with density < 1 g/cm <sup>3</sup> PVC
<b>Sleeves</b>	Sleeves in HDPE; LDPE; LLDPE; MDPE (all with density <1 g/cm <sup>3</sup> ), which do not hinder* the recognition of the underlying PE-polymer  * Indication sleeve size on containers > 500 ml: < 70% coverage * Indication sleeve size on containers ≤ 500 ml: < 50% coverage	- Sleeves in PP (with density <1 g/cm <sup>3</sup> ), with a size that does not hinder* the recognition of the underlying PE-polymer; - Sleeves in PET, PETG, PS, PLA (all with density >1 g/cm <sup>3</sup> ) which do not hinder* the recognition of the underlying 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/cm <sup>3</sup> ; Aluminium; Metallised sleeves; Heavily inked sleeves PVC
<b>Adhesives for labels</b>	Water soluble or water releasable adhesive (@ less than 40°C)	Pressure sensitive labels	Non water soluble or non water releasable adhesives
<b>Inks</b>	Non toxic following the EuPIA Guidelines		Inks that bleed; Toxic or hazardous inks.
<b>Direct Printing</b>	Laser marked; Production or best-before date.	Any other direct printing	
<b>Other Components</b>	HDPE, LDPE, LLDPE, MDPE	PP with density <1 g/cm <sup>3</sup> ; PET; PETG; PS; PLA all with density >1 g/cm <sup>3</sup> .	Aluminium; PVC; Glass components; Non-PO and/or Foams with density < 1 g/cm <sup>3</sup> .

Last update - July 2020

\* Class ranking resulting by 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