



PE Coloured Flexible Films

	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 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
Film	PE-LD, PE-LLD; PE-HD	multilayer PE/PP	any other polymer (ex. PET, PVC, etc.)
Colours	light colours; translucent colours	dark colours (NIR-detectable)	Non-NIR detectable colours
Barrier	barrier in the polymer matrix; SiOx and AlOx without additional coatings	< 5% EVOH (in polyolefin combination film); metalized layers without coatings; EcoLam High Plus; VO+ LLDPE	> 5% EVOH (in polyolefin combination film); barrier layer PVC, PVDC, PA; any other barrier layer; foaming agents used as expandant chemical agents; aluminium
Additives			Bio-/oxo-/photodegradable additives; additives concentration > 0,97 g/cm ³
Closure Systems	PE-LD, PE-LLD, PE-HD	PP, PET, PETG, PS, PLA	metal, aluminium, PVC, non PO or foams with density < 1 g/cm ³
Liners, Seals and Valves	PE-LD, PE-LLD, PE-HD	PP, PET, PETG, PS, PLA, removable aluminium fasteners	metal, aluminium, PVC, foiled paper, non PO or foams with density < 1 g/cm ³
Labels	PE	PP, paper labels without fiberloss	metalized labels, any other; paper labels with fibreloss
Adhesives for labels	Water soluble or water-releasable at less than 60°C		Adhesives non-soluble in water or non-releasable in water at less than 60°C
Inks	no inks; non toxic (according to EUPIA guidelines)		Inks that bleed; Toxic or hazardous inks.
Direct Printing	Laser marked print; Printed production or expiry date; printing covering < 50%**	printing covering > 50%**	
Other Attachments	PE-LD, PE-LLD, PE-HD	PP, PET, PETG, PS, PLA	metal, aluminium, PVC, paper, foams with density < 1 g/cm ³

Last update - June 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.

** temporary solution