## **Design For Recycling**

Colours

Main body

- \*Polymer resin can be either fossil- or bio-based, virgin or recycled. \*\*Temporary solution
- \*\*\* Guidelines are non-company specifics. Barrier structures compatible with recycling are listed in RecyClass Approval page.

Light colours; translucent colours

PP, removable aluminium liddings

Printing covering < 50%\*\*



GUIDELINES for packaging		aging Nitrocentriose (NC) based links impact on t	ecyclability is under investigation by Recyclass.	
		Yes - Full compatibility	Conditional - Limited compatibility	No - Low (or no
Material:	Materia*I	Oriented and non-oriented LDPE, LLDPE (including PE-plastomers), HDPE; EVA, EBA, EEA, EMA copolymers with acrylate monomers	Multilayer PE/PP <u>with PP ≤ 5%</u>	Multilayer PE/PP with PP > 5%; Any etc.)

PE flexible

Transp

Closure Systems

Liners, Seals and

Other Attachments

Adhesives for labels

**Direct Printing** 

Policy

PF

Valves

Inks\*\*\*\*

Labels

ecoration

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rent	

Size	> A4 or > 50 x 50 mm once compacted
Product residues	A if the index Easy-to-empty is < 5%; B if the index is < 10%
Barrier***	SiOx and AlOx without additional coatings
Additives	Additives that do not increase the density higher than 0,97 g/cm <sup>3</sup>
Laminating adhesives	<u>Laminating adhesives approved</u> as fully compatible by RecyClass; To be tested if in combination with a barrier material

PE-LD, PE-LLD (including PE-plastomers), PE-HD

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Water soluble or water-releasable at less than 40°C

Laser marked print; Printed production or expiry date

PU-based inks, Non-bleeding inks compliant with EuPIA Exclusion

representing <= 5 wt% of the film: EMAA, EAA copolymers & ionomers <= 20%

Unpigmented; transparent

- < A4 format or between 20 x 20 and 50 x 50 mm once compacted
  - (Sorting test)
    - C if the index Easy-to-empty is < 15% ≤ 5% EVOH (in polyolefinc combination film); ≤ 15% PA 6/66 copolymer
      - with melting temperature < 192°C and incoporating ≥ 10% PE-g-MAH tie layers
      - Aliphatic polyurethanes  $\leq 2.5\%$ : Laminating adhesives approved as limited compatible by RecyClass; To
      - be tested if in combination with a barrier material
        - Water-based acrylics; Laminating adhesive specially developed for high thermal applications above boiling and/or for high chemical
          - resistance (to be tested); Any other laminating adhesives (Epoxy, etc.

layer; aluminium

density < 1 a/cm3 Metal, aluminium, PVC, PET, PETG, PS, PLA, foiled paper, non PO or

Metallized labels, any other; paper labels

foams with density < 1 g/cm3

Printing covering > 50%\*\*

density < 1 a/cm3

NC-based inks

40°C

Aliphatic polyurethanes >2.5%; Aromatic polyurethanes &

Metal, aluminium, PVC, PET, PETG, PS, PLA, non PO or foams with

Metal, aluminium, PVC, PET, PETG, PS, PLA, non PO or foams with

Adhesives non-soluble in water or non-releasable in water at less than

Inks that bleed; Inks non-compliant with EuPIA Exclusion Policy,

- Metallisation; PVOH; PVC, PVDC barrier layer; any other barrier Bio-/oxo-/photodegradable additives; foaming agents used as expanding chemical agents; Additives that do increase the density higher than 0,97 g/cm3 (CaCO3, talc, glass fibers, etc.
- < 20 x 20 mm D if index <20%: E < if index 25%: F if index > 25% > 5% EVOH (in polyolefinic combination film); Any other PA;
- Dark colours; black; carbon black
- ny other polymer (e.g. PET, PVC,
- no) compatibility