

|                                      | 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 PET 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 PET recycling  | Materials that failed the testing protocols OR materials that have not been tested (yet), but pose a high risk of interfering with PET recycling   |
| MAIN BODY                            |  |  |  |
| MATERIAL **                          | PET  |  | PLA; PVC; PS; PETG   |
| MATERIAL COMPOSITION                 | A when PET content is > 95%; B when PET content is > 90%   | C when PET content is > 70%  | D when PET content is > 50%; E when PET content is > 30%; F when PET content is < 30%  |
| COLOURS                              | Transparent clear; Transparent light blue  |  | Other transparent colours; Opaque; Fluorescence; Metallic  |
| SIZE                                 |  |  | < 4 cm (compact); > 5 liter content  |
| 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%  |
| BARRIER                              | SiOx plasma coating  | 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 stabilisers; Acetaldehyde (AA) blockers; Optical brighteners; Oxygen scavengers   | Bio-/oxo-/photodegradable additives; Nanocomposites  |
| ATTACHMENTS                          |  |  |  |
| CLOSURE SYSTEM                       | PE (with density <1 g/cm <sup>3</sup> ); PP (with density <1 g/cm <sup>3</sup> )   |  | Materials and blends with density >1 g/cm <sup>3</sup> (e.g. highly filled PE, metals,...); Non detaching or welded closures   |
| LINERS, SEALS AND VALVES             | PE; PE + EVA; PP; foamed PET (all with a density < 1 g/cm <sup>3</sup> )   | Silicone with density <0.95g/cm <sup>3</sup>   | Materials with density >1 g/cm <sup>3</sup> (e.g. PVC, silicone, metals)   |
| OTHER COMPONENTS                     | Base cup, handles or other components which are separated by grinding and float/sink – all with density <1 g/cm <sup>3</sup> ; Unpigmented PET   |  | Materials with density >1 g/cm <sup>3</sup> (e.g. metal, RFID tags); Non detaching or welded components<br>Coloured PET  |
| DECORATION                           |  |  |  |
| INKS                                 | Non-toxic (according to EUPIA guidelines)  |  | Inks that bleed;<br>Toxic or hazardous inks; Metallic inks   |
| LABELS                               | Labels in PE; PP; OPP; EPS; foamed PET (all with density <1 g/cm <sup>3</sup> ), with a size that does not hinder* the recognition of the underlying PET-polymer<br>* indication label size of bottles > 500 ml: < 70% coverage<br>* indication label size of bottles < 500 ml: < 50% coverage           | Lightly metallized labels;<br>Paper labels without fiberlosses   | Labels which hinder the recognition of the underlying PET-polymer (e.g. too large, metallised, heavily inked);<br>Labels with density >1 g/cm <sup>3</sup> (e.g. PVC; PS; PET; PETG; PLA);<br>Metallized labels; Non-detaching or welded labels;<br>Paper labels with fiberloss; Foamed PETG labels (even with density <1 g/cm <sup>3</sup> ); PET labels with washable inks |
| ADHESIVES FOR LABELS                 | Alkali/water soluble and alkali/water releasable adhesive at 60-80°C without reactivation  | Hot-melts;<br>Pressure-sensitive labels  | Non-soluble in water or alkaline at 60-80°C; Non-releasable in water or alkaline at 60-80°C  |
| SLEEVES                              | Sleeves in PE; PP; OPP; EPS; foamed PET; LDPET (all with density <1 g/cm <sup>3</sup> ), with a size that does not hinder* the recognition of the underlying PET-polymer<br>* indication sleeve size of bottles > 500 ml: < 70% coverage<br>* indication sleeve size of bottles < 500 ml: < 50% coverage | Full sleeves translucent for IR detection in PE; PP; OPP; EPS; foamed PET; LDPET; all with density <1 g/cm <sup>3</sup><br>INTERIM: Twin-perforated sleeves for household and personal care conform guidelines by EPBP | Sleeves which hinder the recognition of the underlying PET-polymer (e.g. too large, metallised, heavily inked);<br>Sleeves with density >1 g/cm <sup>3</sup> (e.g. PVC; PS; PET; PETG); Foamed PETG sleeves (even with density <1 g/cm <sup>3</sup> );<br>PET sleeves with washable inks   |
| TAMPER EVIDENCE WRAP                 | PE; PP; OPP; EPS, Foamed PET (all with density <1 g/cm <sup>3</sup> )  |  | Materials with density >1 g/cm <sup>3</sup> (e.g. metal; PVC; PS; PET; PETG); Metallised materials; Foamed PETG (even with density <1 g/cm <sup>3</sup> ); PET with washable inks  |
| DIRECT PRINTING                      | Laser marked print   | Production or expiry 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 PET in the packaging or because of slight incompatibilities in the design.

\*\* Polymer resin can be either fossil- or bio-based.

Last update: Feb. 2021