## Packaging

<table>
<thead>
<tr>
<th>YES</th>
<th>CONDITIONAL</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full compatibility – 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</td>
<td>Limited compatibility – 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</td>
<td>Low compatibility – materials that failed the testing protocols OR materials that have not been tested (yet), but pose a high risk of interfering with PET recycling</td>
</tr>
</tbody>
</table>

### PET
- delaminating PET/PE; PET-GAG structure
- PLA; PVC; PS; PETG; C-PET any PET based multi-layer material apart from delaminating PET/PE and PET-GAG, Expanded PET

### Silicone surface coating (on coating area)
- PET based oxygen scavenger with limited yellowness effects after EPBP over test
- AVOH, PA, any other barrier; any other oxygen scavenger

### Barrier
- None; PET based oxygen scavenger with no yellowness effects after EPBP over test

### ADDITIVES

<table>
<thead>
<tr>
<th>Silicone surface coating</th>
<th>Uv stabilizers</th>
<th>Anti-blocking masterbatch (&gt; 3%); anti-stat agents; anti-fogging agents (on coating area)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET</td>
<td>PET based oxygen scavenger with limited yellowness effects after EPBP over test</td>
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### UNPRINTED Lidding films - Closure systems (with glue not harming the recycling process)

- PET; floating combination of plastics with density < 1 g/cm³ (floating to be proven with sink/float test) in any case with no glue residuals (to be proven with glue removal test and oven test)
- Any other sinking film with density > 1 g/cm³ (to be proven with sink/float test)

### PRINTED Lidding films - Closure systems (with glue not harming the recycling process)

- Floating plastics with density < 1 g/cm³ (to be proven with sink/float test) and with no glue residuals (to be proven with glue removal test and oven test)
- Foamed PET based films where foamed structure is not getting destroyed @ 90°C
- Any other film

### Labels (with adhesive not harming the recycling process - see labels adhesive section)

- Plastic labels where label has a density < 1 g/cm³ in the more heavily printed and adhesive area
- BPA-Free Paper labels not losing fibers (pulping) -

### Labels Adhesive

<table>
<thead>
<tr>
<th>Adhesives with 100% removing ratio and no adhesive residuals on flakes @ 70°C testing temperature</th>
<th>Adhesives with 100% removing ratio and no adhesive residuals on flakes @ 85°C testing temperature</th>
<th>All other adhesives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water or alkali soluble in 60-90°C temperature</td>
<td>Water or alkali soluble in 60-90°C temperature</td>
<td>Any other adhesive</td>
</tr>
</tbody>
</table>

### OTHER COMPONENTS

- Preferably no other components
- Inserts in HDPE / LDPE / PP, Soaker pads, bubble pads and paper & cardboard - all inserts should be completely removable and leave no traces
- PVC / PS / EPS / PU / PA, (Nylon); PC / PMMA Thermoset plastics / metal; non compliant soaker pads

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**ASSESSING PROTOCOLS**

- EPBP oven test
- EPBP sink/float test - EPBP glue removal test - EPBP oven test
- EPBP sink/float test - EPBP glue removal test - EPBP oven test
- EPBP oven test

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This work is published by PETCORE Europe with experts in the plastics packaging and recycling industry. The information contained in this document is for general guidance only. Any details given are intended as a general recommendation based on the best of our knowledge at the time of publication. It does not necessarily guarantee compliance with the different recycling schemes. This is by no means an exhaustive list. Users are therefore advised to make their own enquiries with Petcore Europe - Thermoforms Working Group, local recyclers or recycling organisations to check for specific and up-to-date information.

It is important to note that this is a living or dynamic document which will continually be edited, updated and expanded by our panel of experts as more information becomes available. This means that a certain product and/or material classification may change in future. Users are therefore advised to check the website for the latest information.

We value your feedback because it will help us to develop this publication even more and to make it a useful tool for you and other actors in the PET value chain. We appreciate you taking the time to let us know what you think about Design for Recycling Guidelines for PET Thermoforming Trays, so please send your comments and/or additional information to Petcore Europe (www.petcore-europe.org).