Key features

This polypropylene film in combination with the ClearCut™ adhesive S7000 provides substantial benefits for both label printers and brand owners:

> A more robust operating window, enabling the use of thinner constructions during high speed conversion and dispensing.

> Excellent non water whitening performance, making this construction a natural choice for the ‘no-label’ look - increasingly important for Home and Personal Care brands.

> A significant reduction in adhesive bleed compared with current market standards, giving less adhesive contamination and easier clean-up.

Comparative Avery Dennison™ Greenprint® Results:

<table>
<thead>
<tr>
<th>Category</th>
<th>PP50 TOP CLEAR S7000-PET23 (AR107)</th>
<th>PP60 TOP CLEAR S4000-PET30 (A763)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOSSIL MATERIAL</td>
<td>30% less</td>
<td></td>
</tr>
<tr>
<td>TREES</td>
<td></td>
<td>26% less</td>
</tr>
<tr>
<td>WATER</td>
<td></td>
<td>43% less</td>
</tr>
<tr>
<td>ENERGY</td>
<td></td>
<td>44% less</td>
</tr>
<tr>
<td>SOLID WASTE</td>
<td></td>
<td>25% less</td>
</tr>
</tbody>
</table>
**Facestock**
A clear bi-axially oriented, polypropylene film with a print-receptive
topcoat.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Test Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basis Weight</td>
<td>46 g/m²</td>
<td>ISO 536</td>
</tr>
<tr>
<td>Caliper</td>
<td>0.050 mm</td>
<td>ISO 534</td>
</tr>
</tbody>
</table>

**Adhesive**
S7000 is a clear permanent acrylic adhesive.

**Liner**
A clear polyester liner giving optimum smoothness to the adhesive layer.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Test Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basis Weight</td>
<td>32 g/m²</td>
<td>ISO 536</td>
</tr>
<tr>
<td>Caliper</td>
<td>0.023 mm</td>
<td>ISO 534</td>
</tr>
</tbody>
</table>

**Laminate**
A clear bi-axially oriented, polypropylene film with a print-receptive
topcoat.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Test Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total caliper</td>
<td>0.089 mm ±10%</td>
<td></td>
</tr>
</tbody>
</table>

**Performance data**

**GLASS**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Test Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loop tack</td>
<td>450 N/m</td>
<td>FTM 9 HDPE</td>
</tr>
<tr>
<td>Peel Adhes. 90°</td>
<td>280 N/m</td>
<td>FTM 2 HDPE</td>
</tr>
<tr>
<td>Min. appl. temp.</td>
<td>+5 °C</td>
<td></td>
</tr>
<tr>
<td>Service temp.</td>
<td>-20 °C → +80 °C</td>
<td></td>
</tr>
</tbody>
</table>

**Adhesive Performance**
The new proprietary S7000 adhesive exhibits a balance of release
properties to enable high speed converting and dispensing on
increasingly thinner substrates. Specifically designed to exhibit excellent
wet out characteristics, water-whitening resistance and up to 50% lower
adhesive ooze, which improves operational efficiency and reduces
equipment downtime. The adhesive complies with the European food
directives and legislations, FDA 175.105 and the German
recommendations XIV as published by BfR, BfR (Bundesinstitut für
Risikobewertung) is the German Federal Institute for Risk Assessment.

**Applications and use**
Applications are predominantly in market segments where rigid
containers are used (e.g. Glass, PET). Due to fairly rigid nature of the film
care should be taken with use on non-uniform surfaces and where a very
high level of squeezability is desired.

**Conversion/printing**
The modified acrylic based topcoating can be printed by conventional
printing techniques including flexo, screen, offset, letterpress, silkscreen,
gravure, and hot or cold foiling processes. UV, water-based and solvent-
based inks can be used. The topcoat is designed for optimum ink
adhesion. On-press corona treatment is not advised. The face material is
suitable for Thermal Transfer printing. Exact inks, foils and ribbons should
be specified by your ink/foil/ribbon supplier.

**Shelf life**
One year when stored at 22°C / 50% R.H.

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**Warranty**
All statements, technical information and recommendations about AVERY DENNISON products are based upon tests believed to be reliable but do not con-
stitute a guarantee or warranty. All AVERY DENNISON products are sold with the
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shall AVERY DENNISON be responsible for claims beyond the replacement value of
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**AR107**
Fasson®
PP50 Top Clear – S7000 – PET23

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(Avery Dennison™ Greenprint methodology is a life cycle-based environmental performance assessment tool. It provides credible to output gate plus end of life comparative assessment of materials used for the scenario described in this assessment. The results provide directional indication of improvement over an existing product and should not be interpreted as a product footprint data. Results may be displayed with several significant figures, but do not imply a corresponding level of precision. Supporting data is based
on a combination of primary data when available and industry average information.)

N.B. : All data to be considered as typical values.