PLATE MOUNTING TAPE SOLUTIONS FOR FLEXIBLE PACKAGING PRINTERS

tesa Softprint® – A Comprehensive Assortment for High Process Efficiency in Flexographic Printing
Increasing print quality demands, combined with high levels of process efficiency call for tailor-made plate mounting tape design. Our tesa Softprint® assortment provides two product designs, CLASSIC and FLEX, offering individual possibilities for more process efficiency.

**CLASSIC product design**
- Easy tape handling with PET reinforcement film
- Wide range of product lines for individual requirements

**FLEX product design**
- Thin-walled sleeves
- Scratched sleeve surfaces

**Plate Mounting Tapes for Your Individual Requirements**
Plate mounting tapes have a critical influence on your process efficiency and print quality. Our tesa Softprint® assortment is supported by our established production process – leaving all foam cells within the tape backing intact for better cushioning and resilience over time. Selecting the correct foam hardness from our assortment will produce exceptional print quality, increase print speed, and overcome print defects like banding, increased dot gain, and “pin holing”.

**tesa Softprint® STE 500 µm / 20 mil category / thickness 550 µm / 22 mil**

<table>
<thead>
<tr>
<th>Product line</th>
<th>Product design</th>
<th>X-Soft</th>
<th>Soft</th>
<th>Medium</th>
<th>Medium-Hard</th>
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<tbody>
<tr>
<td>tesa Softprint® STM CLASSIC</td>
<td>-</td>
<td>tesa® 72022</td>
<td>tesa® 72024</td>
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<tr>
<td>tesa Softprint® SLM CLASSIC</td>
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</table>

**tesa Softprint® BigFoam 1500 µm**

<table>
<thead>
<tr>
<th>Product line</th>
<th>Product explanation</th>
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</thead>
<tbody>
<tr>
<td>tesa Softprint® BigFoam</td>
<td>High tack plate side adhesive for plate mounting in unclean and cold conditions</td>
</tr>
<tr>
<td>tesa Softprint® BigFoam LT</td>
<td>Medium tack adhesive for reliable plate mounting under most conditions</td>
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</tbody>
</table>
**Handling and Storage Conditions**

**Steps for Optimal Plate Mounting**

**Cleaning**
- Plate cleaning
- Cylinder/sleeve cleaning

**Mounting**
- Tape mounting
- Plate mounting

**Demounting**
- Plate demounting
- Tape demounting

**Storage Conditions**
- 23°C / 73°F and 55% rel. humidity
- No direct sun light
- No water exposure

**Additional Features**

- **Plate Mounting**
  - Our tesa Softprint® assortment provides distinctive product lines for flexo printers to fulfill each and every requirement.

- **Adhesion Promoter**
  - For additional bonding strength to plate edge if needed.

- **Core Starting**
  - For rough core surfaces, we provide several tapes with excellent adhesion properties to ensure the web is securely attached to the core.

- **Edge Sealing**
  - Specific circumstances like older stiff plates or small cylinder diameters may require additional support against plate edge lifting.

- **Splicing**
  - To splice different film material, we offer a comprehensive assortment of double-sided and single-sided splicing tapes.

- **Failure Flagging**
  - For marking material imperfections and print faults, we provide various tape color options from our assortment.

- **End Tabbing**
  - To close converted reels for storage or later processing. Our tapes offer safe bonding on various substrates.
Choosing the Right Tape – the First Step for Success

For optimal print results, check out our website www.foamadvisor.com to choose the perfect combination of printing plate and tape foam that best suits your plate mounting needs.

FOR MAXIMUM EFFICIENCY

To achieve maximum efficiency throughout the production process all influential factors and conditions must be considered and well-coordinated. The tesa Softprint® assortment provides a wide range of adhesive packages to offer each printer the best plate mounting tape for their individual requirements.

tesa Softprint® product selection guide

<table>
<thead>
<tr>
<th>Lower bonding towards sleeve side</th>
<th>Standard product</th>
<th>Higher bonding towards sleeve side</th>
<th>Product explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>FE</td>
<td>FE-X</td>
<td>Very low tack adhesive for easy and fast plate mounting and demounting. Secure bonding with excellent resistance to edge lifting in clean and standardized conditions.</td>
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<tr>
<td>SEC-X</td>
<td></td>
<td>Low tack adhesive for easy and fast plate mounting and demounting. Secure bonding with excellent resistance to edge lifting in clean and standardized conditions.</td>
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<tr>
<td>SLM</td>
<td>TP</td>
<td>Medium tack adhesive for reliable plate mounting under most conditions. Secure bonding with excellent resistance to edge lifting especially under warm and high humidity conditions.</td>
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<tr>
<td>TP-X</td>
<td></td>
<td>High tack adhesive for plate mounting in unclean and cold conditions. Secure bonding with excellent resistance to edge lifting.</td>
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Integrated flying splice

- tesa® 51918 d/s tape with high tack, for difficult-to-slice film substrates 105/4 Natural rubber PET
- tesa® 51910 d/s tape with high tack, for secure flying splice on high speed 120/5 Synthetic rubber Paper
- tesa® 61958 d/s tape with high tack for secure splicing at high web tension 105/4 Synthetic rubber PET

Conventional flying splice

- tesa® 51904 d/s tape with high tack, high adhesion for conventional flying splice 110/4 Synthetic rubber Non-woven

Zero speed splicing

- tesa® 4137 s/s tape for butt splicing and inductive detection 50/3 Acrylic PET

Roller wrapping

- tesa® 51904 Embossed surface 620/24 Natural rubber Cloth
- tesa® 4574 Flexible s/s tape 110/4 Natural rubber PVC
- tesa® 4137 s/s tape for safe bonding on all substrates 67/3 Natural rubber PVC

Edge sealing

- tesa® 4104 Flexible s/s tape 110/4 Natural rubber PVC
- tesa® 61958 Flexible s/s tape 137/3 Natural rubber PET

Ink tray coverage

- tesa® 5136 Flexible masking s/s tape 105/4 Acrylic PE

Core starting

- tesa® 4104 s/s tape for safe bonding on paper and PE cores 67/3 Natural rubber PVC
- tesa® 51904* Splittable d/s tape for flying splice labeling applications 120/5 Synthetic rubber/ acrylic Splittable paper

Failure flagging

- tesa® 4104 Different colors to mark material imperfections 67/3 Natural rubber PVC

End tabbing

- tesa® 4104 Safe bonding on all kinds of materials 67/3 Natural rubber PVC

Adhesive Promoter

- tesa® 60152 Recommended for tesa Softprint® FE, Softprint® FE-X, tesa Softprint® SEC-X
- tesa® 60153 Recommended for tesa Softprint® STM, Softprint® TP, tesa Softprint® SLM, Softprint® TP-X

Additional tools

- tesa® 52064 Plate cleaning
- tesa® 52065 Rubber roller

* Dispensers are available d/s = double sided tape s/s = single sided tape
Our management system is certified according to the standards ISO 9001, ISO/TS 16949, and ISO 14001.