tesa Softprint® Assortment for Individual Requirements in Flexographic Printing

FLEXIBLE PRECISION FOR HIGH-QUALITY PLATE MOUNTING
Two Product Designs for Individual Requirements

Overview

We care about your process

Those who want to stay competitive in the highly dynamic flexographic printing market need a reliable partner. With decades of experience and a clear focus on the flexographic market, we continue to invest in product development and staff qualification programs. As a result you can count on our reliable solutions and expert services worldwide.

Aligned product designs for more efficiency

Increasing demands on print quality combined with high levels of process efficiency call for specifically tailored plate mounting tapes. Our tesa Softprint® assortment therefore 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*
- Aligned product design for critical sleeve application e.g.:
  - Thin-walled sleeves
  - Scratched sleeve surfaces

The best quality for both product designs throughout the whole process

Both assortments combine high-quality foam and film materials with specially engineered adhesives for excellent print results and optimum handling properties. Not only are the processed components of the highest quality, but they are also handled with the utmost care throughout the specifically developed production process.

Differentiation of tesa Softprint® product designs

CLASSIC product design

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<th>Liner</th>
<th>Plate-side adhesive</th>
<th>PET reinforcement film</th>
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<td></td>
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<td>Lamination adhesive</td>
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<td>Closed-cell PE foam</td>
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FLEX product design*

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* The FLEX product design is only available in 500 µm/20 mil
Historically, foam plate mounting tapes were divided into two thickness categories: 380 μm/15 mil for label printing (narrow web) and 500 μm/20 mil for flexible packaging printing (wide web). Nowadays, customers decide individually which category offers the most benefits for their processes.

Our tesa Softprint® assortment offers both thickness categories of equally high quality in terms of print results and adhesive properties.

 tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All technical information and data above mentioned are provided to the best of our knowledge on the basis of our practical experience. They shall be considered as average values and are not appropriate for a specification. Therefore tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. The user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user’s method of application. If you are in any doubt, our technical support staff will be glad to support you.

How to choose the right product line

Depending on your process requirements, our Product Matrix and online Foam Advisor tool will support you in finding a suitable product line from our tesa Softprint® assortment.
SUPPORTING TIPS AND TOOLS FOR OPTIMUM PLATE MOUNTING

Cleaning

Process
All elements should be handled at room temperature – or at least at the same temperature.

Plate cleaning
Clean back of new or used plate: remove dust, grease, and any other contaminants using a suitable solvent.

Cylinder/sleeve cleaning
Clean as per manufacturer recommendations and wipe dry with clean cloth.

Mounting

Tape mounting
Apply the tape in a sweeping motion, line by line. Use a squeegee for best results.

Plate mounting
Only fix the plate to a narrow area of the tape. Avoid premature contact between plate and tape by using liner material.

Mount plate with rubber roller, at least on the leading and trailing edges. This will yield a better bond than just by hand.

Demounting

Plate and tape demounting
Remove plate first, then remove the tape slowly at a flat angle.

Our Complementary Products for Flexographic Printing

Roller wrapping tesa® 4863, tesa® 4563
tesa Printer’s Friend® roller wrapping tapes offer outstanding “grip” and repel a variety of substances involved in the process (e.g. adhesives and inks).

Flying splice for film materials tesa® 51910
tesa EasySplice® 51910 FilmLine PLUS enables manufacturers and processors of thin, high-slip films to save time and money by splicing at continuous production speeds.

Zero-speed splice tesa® 4104, tesa® 4137
Sufficient adhesion and shear strength for the splicing of all materials, including alternatives for higher temperatures.

Edge sealing tesa® 4244 PV2, tesa® 4287
The adhesives stick on photopolymer plates and are subsequently easy to remove without leaving residues.

Failure flagging tesa® 4104
For marking material imperfections and print faults. This can be done separately due to a selection of available tape colors.

Adhesion promoter tesa® 60153
For additional bonding strength to plate edge if needed.

Core starting tesa® 64621
Excellent adhesion properties to ensure the web is securely attached to the core.

Supportive tools
We also offer supportive tools such as cleaning rollers and rubber rollers to make several process steps easier and more efficient.
Our management system is certified according to the standards ISO 9001, ISO 14001, and ISO/TS 16949.