

tesa Softprint[®] FE Fast Mounting, Easy Demounting





tesa Softprint® FE can turn your mounting department into a world-class pit crew

If you're looking for ways to improve your printing process, increase output, and maximize the benefits of today's print technology, it's time to meet the tesa Softprint® FE Plate Mounting Tape Line! Unlike any other plate mounting tapes on the market today, the tesa Softprint® FE line is the key ingredient for turning your plate mounting department into a world-class print crew!

A Closer Look:

- Three new product innovations:
 - tesa® 52920** - for solid and line print
 - tesa® 52921** - for combination print
 - tesa® 52922** - for process print
- New, one-of-a-kind proprietary adhesive formula specifically engineered for fast mounting and easy demounting of printing plates
- Closed-cell PE (polyethylene) foam for maximum tape "memory" throughout the print run, ensuring consistent print quality
- PET (polyester) stabilizing film to ensure consistent foam profile during plate repositioning, and to prolong the life of the foam
- Available in multiple hardnesses for various types of print demands

Advantages:

With **tesa Softprint® FE**, you can maximize your print process without any capital investment!

- Ensure faster transition times between print jobs with fast and easy plate mounting and demounting
- Maximize run speeds and efficiency by minimizing plate edge lifting
- Demount plates with extreme ease and minimal cleaning
- Prolong plate life by reducing tearing or stretching of plates during demount
- React quickly to last-minute changes on press
- Work with your existing print equipment; absolutely no capital investment is required





Turn your mounting department into a world-class pit crew!



tesa Softprint® FE Family

Solid and Line Print

tesa® 52920

Hard Foam

Combination Print

tesa® 52921

Medium Foam

Process Print

tesa® 52922

Soft Foam

All Products: Backing - PE (polyethylene) Foam | Adhesive - Acrylic | Liner - PP (polypropylene) | Thickness - 20 mil

Please ask your tesa representative for more details.

Product Description

Product Features

- 20 mil foam-based plate mounting tapes
- Increased mounting productivity due to its new adhesive formula
- Closed-cell PE (polyethylene) foam
- Pliant PET (polyester) stabilization film
- Different hardnesses for different types of print jobs

Product Application

- Designed for wide-web flexographic flexible package printers
- Optimizes new technology plates that are 1.70 mm (0.067") or thinner
- Mounting on sleeves or cylinders

Benefits at a Glance

Product Benefits

Tape and plate mounting:

- Easy repositioning
- Fast mounting

Plate and tape demounting:

- Easy demounting
- Adhesive residue-free demounting

User Benefits

- Less time spent on mounting while under production pressures
- Ability to react to last-minute changes
- More flexibility
- Superior print results due to closed-cell PE foam
- Less damage to plates
- Solvent resistance
- Less edge lifting*
- Local technical support

* With plates < 1.70 mm / 0.067"

tesa® products prove their impressive quality day in day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless, tesa tape, inc. can make no warranties, expressed or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. The user, therefore, 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 advise you.

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tesa® 52818 Softprint Secure

Foam plate mounting tape

PRODUCT INFORMATION

Product Description

Double-coated foam tape

Foam Properties

- Low thickness tolerance
- Long lasting, constant recovery characteristics

Adhesive Properties

- Low tack surface characteristics
- Strong adhesion on both sides
- Solvent resistance

Additional Properties

- Structured PP liner
- Logo color indicates foam hardness

Main Application

Mounting of 1.14 mm (0.45") and 1.70 mm (0.067") thickness, PET backing, flexographic printing plates onto steel / alu / PU and glassine cylinders and sleeves.

Technical Data

■ Backing material	PE foam	■ Type of liner	PP
■ Thickness category	380 µm 15 mils	■ Logo color	yellow
■ Type of adhesive	tackified acrylic	■ Hardness	extra soft

For latest information on this product please visit <http://l.tesa.com/?ip=52818>

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tesa® 52021 Softprint Steel Master

Foam plate mounting tape (medium) for printing screens, text, barcodes & solids

PRODUCT INFORMATION

Product Description

tesa® 52021 Softprint Steel Master is a double-coated foam tape, designed specifically for mounting thicker photopolymer plates of thickness 1.70mm (0.067"), 2.54mm (0.100") and above in wide-web film and paper flexographic printing, on machines using steel cylinders or sleeves.

The medium foam makes this the ideal solution for printing screens, text, barcodes and solids.

Foam properties

- Highly compressible foam, with superior recovery behavior for excellent print quality
- Long-lasting recovery characteristics for extended and high speed print runs
- Low thickness tolerances for quick print preparation and reduced waste

Adhesive properties

- High bonding on open side to steel cylinder or sleeve to avoid plate movement
- High bonding to plate to avoid edge lifting or plate movement
- Non-increasing bonding power for easy repositioning and for easy demounting of plate and tape
- Very cohesive adhesive structure for demounting without adhesive residue

Additional properties

- The structured PP-liner prevents the formation of air pockets when plate mounting
- Purple color marking indicates the medium foam quality

Main Application

tesa® 52021 Softprint Steel Master is a 500µm (20 mil) category double-coated foam tape, designed specifically for mounting thicker photopolymer plates of thickness 1.70mm (0.067"), 2.54mm (0.100") and above in wide-web film and paper flexographic printing, on machines using steel cylinders or sleeves.

Technical Data

■ Backing material	PE foam	■ Type of liner	PP
■ Thickness category	500 µm 19.7 mils	■ Hardness	medium
■ Type of adhesive	tackified acrylic		

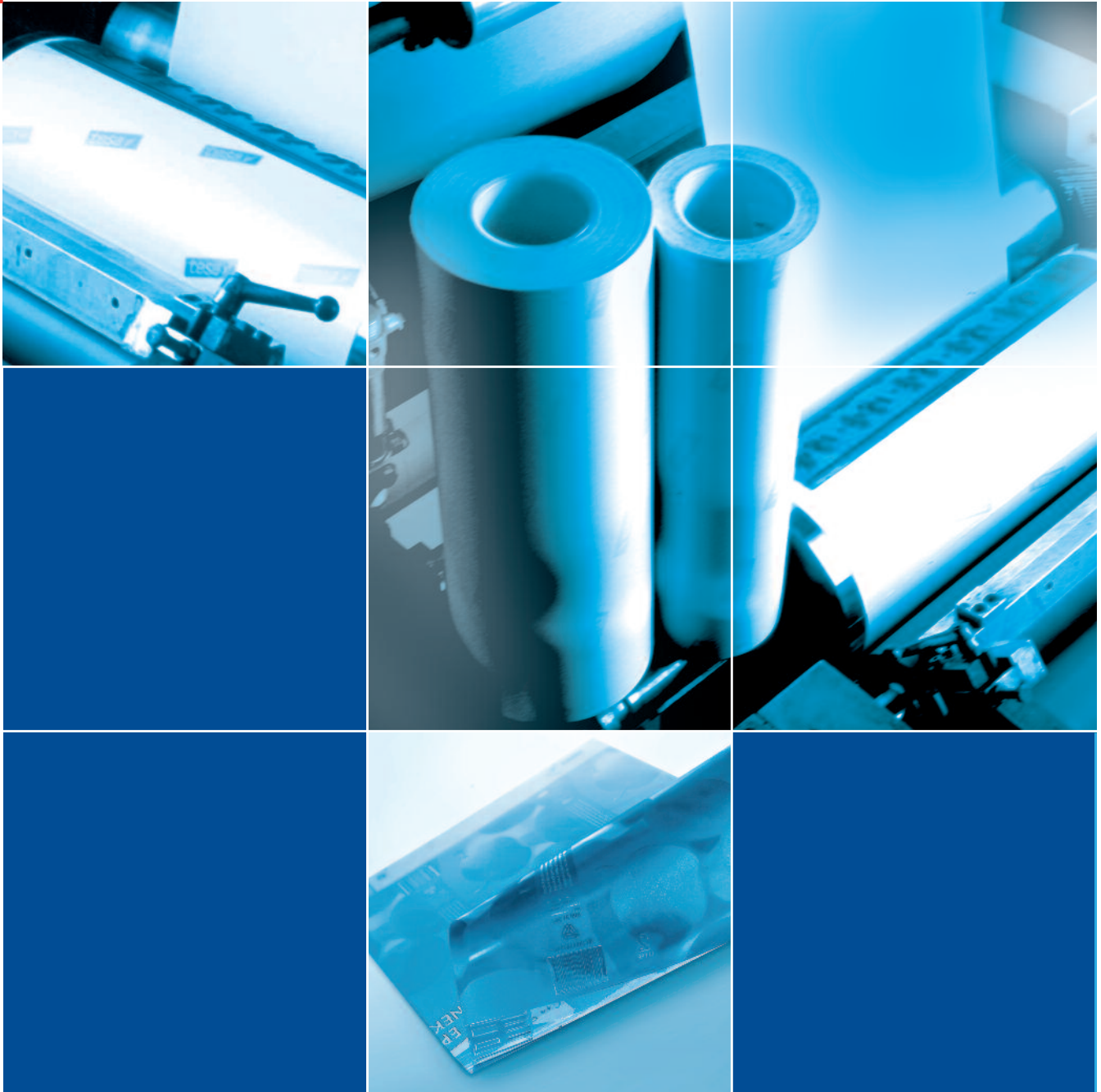
For latest information on this product please visit <http://l.tesa.com/?ip=52021>

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tesa[®] Plate Mounting Tapes Application Guide



Process Improvement In Every Roll™





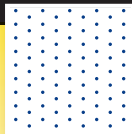
Application Guide for tesa® Plate Mounting Tapes

tesa® Plate Mounting Tapes





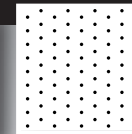
20 Mil Toolbox

	 HARD Solids	 MEDIUM HARD Combination/Solids	 MEDIUM Combination/Screens	 MEDIUM SOFT Combination/Screens	 SOFT Fine Screens/Halftones
tesa Softprint® FE Frequent Job Changes	tesa® 52925	tesa® 52920	tesa® 52921	tesa® 52922	
tesa Softprint® Secure Eliminate Edge Lift	tesa® 52825	tesa® 52820	tesa® 52821	tesa® 52822	
tesa® Steel Master Thick Plates Steel Cylinders	tesa® 52025	tesa® 52020	tesa® 52021	tesa® 52022	
tesa® Steel Master TP Thin Plates Steel Cylinders	tesa® 52125	tesa® 52120	tesa® 52121	tesa® 52122	
tesa® Sleeve Master Thin Plates Synthetic Sleeves	tesa® 52225	tesa® 52220	tesa® 52221	tesa® 52222	tesa® 52223

15 Mil Toolbox

	 MEDIUM HARD Combination/Solids	 MEDIUM SOFT Combination/Screens	 SOFT Fine Screens/Halftones
tesa® Steel Master Thick Plates Steel Cylinders	tesa® 52015	tesa® 52017	tesa® 52018
tesa® Steel Master TP Thin Plates Steel Cylinders	tesa® 52115	tesa® 52117	tesa® 52118

60 Mil Toolbox

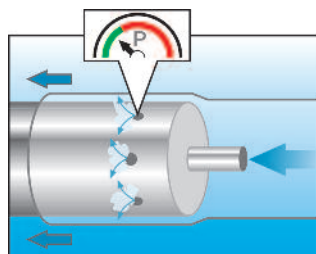
	     ALL TYPES OF PRINT
tesa® Big Foam Thick Plates	tesa® 52060
tesa® Big Foam TP Thin Plates	tesa® 52062



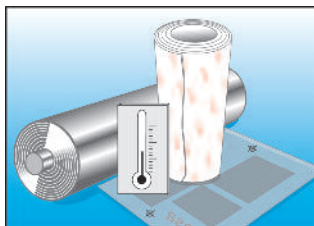
Application Guide for tesa® Plate Mounting Tapes

Tips for Perfect Mounting

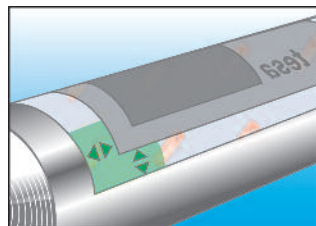
Perfect mounting is the sum of several single steps, each of which promotes the best final print result. This poster shows the most important hints for getting effective print runs.



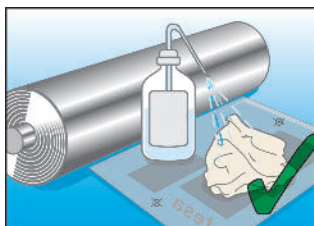
3. When using sleeves, use minimum air pressure.



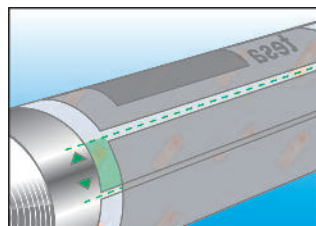
1. All elements should be handled at room temperature (at least at equal temperatures).



4. Leave a small fringe of tape around the plate.

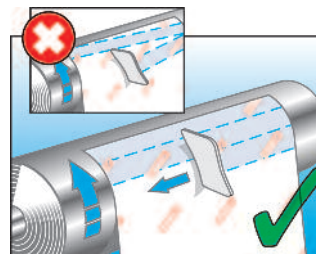


2. Clean plate and cylinder thoroughly with a clean cloth, removing all debris and residue, especially ink residue.

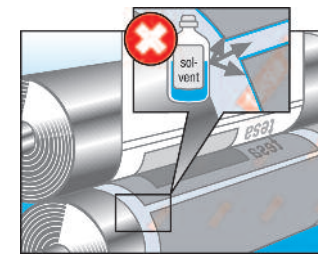


5. Seam of tape should not be positioned directly underneath joint of plate.

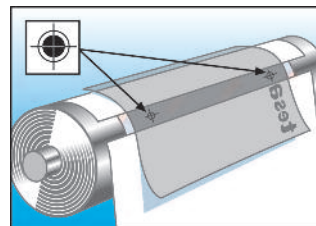
Step-by-Step Mounting Guide



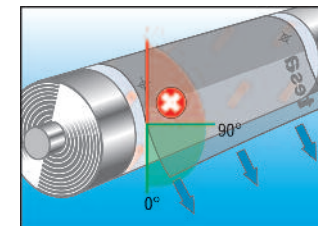
1. Apply the tape in a sweeping motion, line by line. It is best to use a squeegee for this.



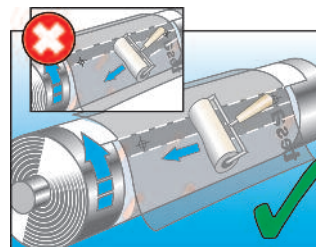
4. When cleaning the plate during print run, avoid contact of solvent with adhesive.



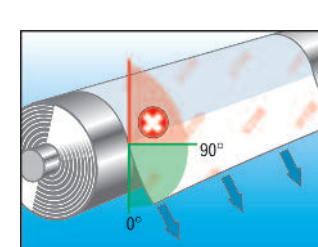
2. Only fasten the plate on a narrow area of the tape. Avoid premature contact between plate and tape by using (for example) liner material.



5. Demount the plate smoothly and slowly at an acute angle (below 90°).



3. Press down on the plate with a rubber roller to increase bonding.



6. Finally remove the tape in a smooth way at an acute angle (below 90°).

Your perfect Highlight

tesa Softprint® X-Soft series

Print extra fine – extra quick, extra safe

Today's plate making equipment allows the reproduction of finest screens and highlights on photo polymer plates. This opens up opportunities for printers who can harness this potential on the press. With tesa Softprint® X-Soft series the printing of smallest dots and smooth vignettes has never been easier.

Make ready

Be fast and save waste! With its wide impression window tesa Softprint® X-Soft series is the ideal partner for printing plates with high screen counts and fine line work. Optimal pressure settings can be set quickly due to super soft foam tolerance of pressure changes, resulting in minimum dot gain over a big range of impression.

Free yourself

Speed up the press! tesa Softprint® X-Soft series protects the plate from distortion factors to give the perfect print result. The absorption is so effective that even bouncing stripes resulting from press vibrations at high speeds are not an issue. Due to its optimized elasticity there is no need to readjust impression settings with changes in speed.

Be consistent

Excellent results from the first to the last copy! The high quality closed cell foam structure ensures consistent results over long print runs. tesa Softprint® X-Soft series delivers finest dots and smooth vignettes, with the latest screening technologies even down to zero, copy for copy.


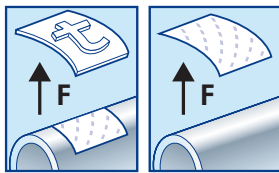
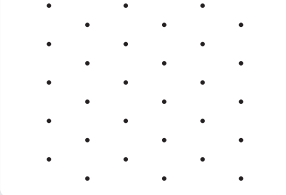
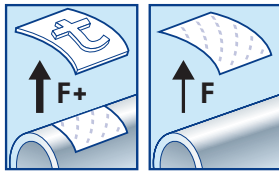
tesa Softprint® X-Soft –
print finest screens
consistently
throughout the job



Technical Details

Product	Category	Thickness	Backing	Adhesive	Liner
tesa® 52118	380 µm 15 mil	430 µm 17 mil	- PE foam - Closed cell - Yellow ID logo	- Acrylic	- PP filmic - White - Embossed
tesa® 52018					

Application Area

Product	Print Motif	Adhesive Properties
tesa® 52118		 <p>Easy mounting, demounting and repositioning properties of foam and plate. Optimized for the use of thin plates and short runs with quick change over.</p>
tesa® 52018		 <p>Easy mounting and demounting of foam. Stronger plate bond for secure hold down, even on minimal diameter sleeves or cylinders.</p>

Further Information

For more information about the high quality tesa® assortment for narrow web printers please refer to the following brochure or contact your local tesa sales representative.



- tesa – optimize the whole printing process
tesa® solutions for label printing



tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, expressed or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, 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 advise you.

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