COMPLETE PACKAGE FOR HIGH QUALITY LABEL PRINTING

**tesa® Self-Adhesive Tape Assortment
for Flexographic Label Printing**

COMPREHENSIVE OFFERING

Success in the label and package printing industry requires know-how, experience, and a well-balance of process parameters and materials. As a leading global manufacturer of adhesive solutions, we offer a wide range of specially developed tapes to meet the requirements within your production environment.

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 smart tape 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 by increasing your printing speed and overcoming print defects like banding, increased dot gain, and "pin holing".

tesa Softprint® 380 µm / 15 mil category (thickness 430 µm / 17 mil)*

	X-Soft	Soft	Medium	Medium-Hard	Hard	
						Product color code
						Print motif
Classic Product Design						
tesa Softprint® STM	tesa® 52018	tesa® 52017	tesa® 52016	tesa® 52015	tesa® 52014	High tack adhesive for plate mounting in unclean and cold conditions. Secure bonding with excellent resistance to edge lifting.
tesa Softprint® STM-TP	tesa® 52118	tesa® 52117	tesa® 52116	tesa® 52115	tesa® 52114	Medium tack adhesive for reliable plate mounting under most conditions. Secure bonding with excellent resistance to edge lifting.
tesa Softprint® SEC	tesa® 52818	tesa® 52817	tesa® 52816	tesa® 52815	tesa® 52814	Low tack adhesive for easy and fast plate mounting in clean and standardized conditions. Secure bonding with excellent resistance to edge lifting.
Flex Product Design						
tesa Softprint® FE	tesa® 53418	tesa® 53417	tesa® 53416	tesa® 53415	tesa® 53414	Compensating product design for demanding sleeve/cylinder surfaces. Low tack adhesive for easy and fast plate mounting in clean and standardized conditions. Secure bonding with excellent resistance to edge lifting.

* also available: tesa Softprint® 500 µm / 20 mil category (thickness 550 µm / 22 mil)

Steps for optimal plate mounting

Cleaning

Plate cleaning

Cylinder/sleeve cleaning

Mounting

Tape mounting

Plate mounting

Demounting

Plate demounting

Tape demounting

Tape applications for your production process

During label and packaging printing many different parameters have an influence on the quality of the end product. With our high quality process tapes we supply the best possible solution to be successful in producing your required level of quality. Our broad assortment is developed based on your individual needs.

1 Splicing
To splice different label stock or other packaging materials we offer a comprehensive assortment of double-sided and single-sided splicing tapes.

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

7 Ink tray coverage
We make cleaning easier by covering all types of ink trays particularly, when special and difficult to clean inks are used.

2 Roller wrapping
tesa Printer´s friend® tapes offer outstanding grip to process high-slip materials and repel a variety of substances involved in the process (e.g. adhesives and inks).

5 Adhesion promoter
For additional bonding strength to plate edge if needed.

3 Plate mounting
Increasing demands on print quality and process efficiency call for specifically tailored plate mounting tapes. Our tesa Softprint® assortment provides distinctive product lines for flexo printers to fulfill each and every requirement.

6 Supportive tools
We also offer supportive tools such as cleaning rollers and rubber rollers to make several process steps easier and more efficient.

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

9 Failure flagging
For marking material imperfections and print faults we provide various tape color options from our assortment.

10 End tabbing
To close converted reels for storage or later processing. Our tapes offer safe bonding on various substrates.

FOAM ADVISOR

Consult our online Foam Advisor for plate related foam advice.

www.tesa.com/foamadvisor

Our Complementary Products for Flexographic Printing

	Special feature	Thickness [µm / mil]	Adhesive	Backing	Color
Splicing					
tesa® 51904	d/s tape with high tack, high adhesion for flying splice	110 / 4	Synthetic rubber	Non-woven	● (pink)
tesa® 64620	d/s tape with low tack, medium adhesion for flying splice	185 / 7	Synthetic rubber	PP	○
tesa® 4104	s/s tape for butt splicing	67 / 3	Natural rubber	PVC	●●●○●●●○
tesa® 4122	s/s tape with high tear strength for butt splicing	88 / 3	Natural rubber	PVC	○●
tesa® 4137	s/s tape for butt splicing and inductive detection	50 / 2	Acrylic	PET	○
Roller wrapping					
tesa Printer´s Friend® 4863	Embossed surface	620 / 24	Natural rubber	Cloth	●
tesa Printer´s Friend® 4563	Smooth surface	380 / 15	Natural rubber	Cloth	●
Edge sealing					
tesa® 4174	Flexible s/s tape	110 / 4	Natural rubber	PVC	●
tesa® 4104	Rigid s/s tape	67/ 3	Natural rubber	PVC	●●●○●●●○
Ink tray coverage					
tesa® 51136	Flexible maskings/s tape	105 / 4	Acrylic	PE	● (dark green)
Core starting					
tesa® 4104	s/s tape for safe bonding on paper and PE cores	67 / 3	Natural rubber	PVC	●●●○●●●○
tesa® 51194*	Splittable d/s tape for flying splice labelling applications	120 / 5	Synthetic rubber/acrylic	Splittable paper	● (pink)
tesa® 52307	d/s tape for safe bonding and easy release	70 / 3	Acrylic	PVC	○
Failure flagging					
tesa® 4104	Different colors to mark material imperfections	67 / 3	Natural rubber	PVC	●●●○●●●○
End tabbing					
tesa® 4104	Safe bonding on all kind of materials	67 / 3	Natural rubber	PVC	●●●○●●●○
Additional tools					
tesa® 52064	Plate cleaning				
tesa® 52065	Rubber roller				
tesa® 60153, 60152	Adhesion promoter: tesa® 60153 recommended for tesa Softprint® STM and STM-TP, tesa® 60152 recommended for tesa Softprint® SEC and FE				

*Dispensers are available

Our management system is certified according to the standards ISO 9001, ISO/TS 16949, and ISO 14001. All our products delivered to automotive customers are listed in the International Material Data System (IMDS).