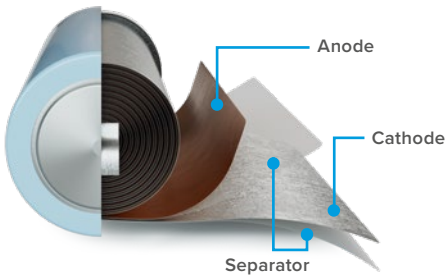


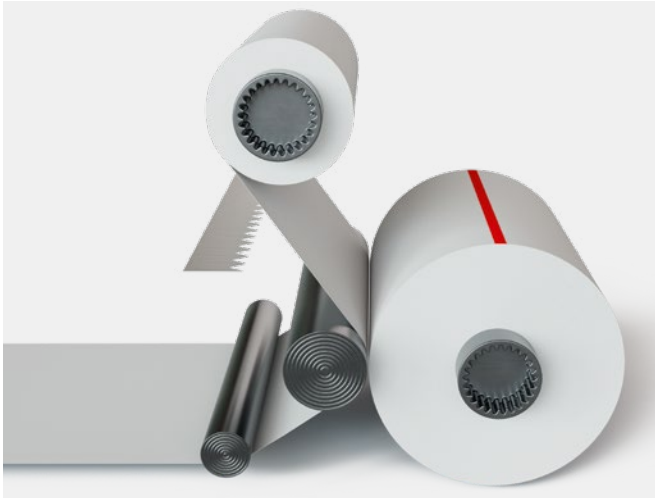
# Tailor-made splicing tape solutions for battery films

Increasing demands on product quality and production efficiency call for a reliable partner during battery cell manufacturing processes. With over 125 years of experience as a global supplier of adhesive solutions and as the inventors of tesa® EasySplice for integrated flying splice applications, we are your reliable partner for battery film converting excellence. In order to achieve the desired levels of efficiency, it is essential that production machines operate at the highest possible speeds.




## Increased efficiency during the lithium-ion battery cell production process

The production process of lithium-ion batteries is a complex process involving several steps. At tesa, we are highly experienced with processing a wide range of materials, including film, paper, and many others. Our tapes are manufactured with premium quality materials to ensure optimal splice performance and durability in your separator film or electrode coating and converting processes.



## Fast and easy preparation with tesa® EasySplice

**Save time**
For reel preparation, apply just one straight line of tape – no extra tape, no additional split labels.

**Accelerate production**
Run even difficult to splice substrates at full machine speed.

**Reduce waste**
Higher splice performance means less waste! tesa® EasySplice FilmLine products ensure safe closure of the reel during acceleration and precise opening after contact.

# Our splicing tape product portfolio

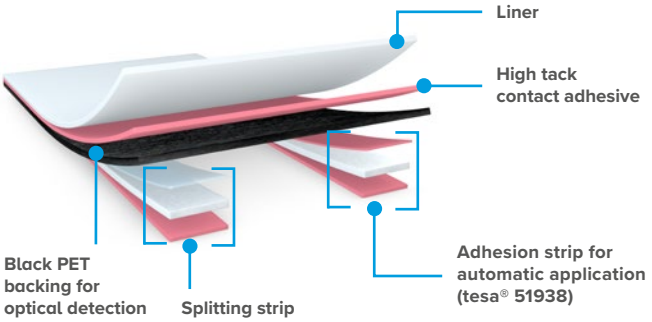
We offer a wide range of high-quality adhesive tapes suitable for the battery cell manufacturing industry, specifically designed for secure, high-speed flying splice applications of film materials.



tesa® EasySplice 51918
FilmLine Black S



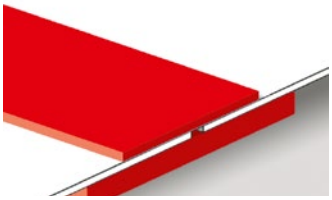
tesa® EasySplice 51938
FilmLine Robotic



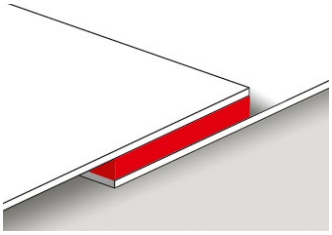

| Product | Application | Liner | Adhesive | Backing | Thickness w/o liner | Tensile strength | Tack, adhesion & shear resistance |
|---|---|---|---|---|---|---|---|
| tesa® 51918 | Manual | Paper (slit) | Synthetic rubber | PETP | 105 µm | 70 N/cm | ●●● |
| tesa® 51938 | Automatic | Paper | | | | | |

Additionally, we offer functional double-sided and single-sided tapes for conventional splicing applications, as well as a full range of process tapes for the complete production process.

- Well suited for battery cell film material splicing
- For manual and automated splicing applications
- Complementary tapes for core starting and end tabbing



Static butt splice



Static overlapped splice

## Partner up and automate your processes

Take your process efficiency to the next level with '**tesa® EasySplice 51938 FilmLine Robotic**', specifically designed for flying splice applications in automated preparation units. Our easy-to-apply integrated flying splice tapes have been optimized to be mounted by robot-assisted automated solutions. We support our customers in finding the right application process and automation partner to increase production efficiency and support individual battery projects. Our sales experts located around the globe will provide you with on-site assistance in identifying the optimal solution for your individual production requirements.

tesa SE
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tesa.com/company/locations

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.

05/2024