

**tesa<sup>®</sup> BLACK X:  
CHANGING THE GAME  
FOR HIGH-SLIP FILMS**

**tesa<sup>®</sup> 51948 EasySplice FilmLine Black X  
for Secure Splicing of High-slip Films**

# THE NEED FOR SPEED – AND PRECISION

You know that splicing high-slip films – such as low-density polyethylene, or anything with a high degree of slip additive – at high speeds can be difficult, at best.

The most common slip additives used to reduce film tackiness are organic waxes. They provide a lower friction coefficient on the substrates but migrate to the film’s surface and create a “boundary layer,” which reduces the wetting effect of the splicing tape – and can lead to web breaks during the splicing process.

## The Old Way

Traditional solutions to splicing high-slip films – like liquid glues and additional tapes – are complicated and cumbersome.

Liquid glues and extra tapes can limit your ability to splice at speed for applications such as bread bags or toilet paper wraps. This costs time and money.

## A Trouble-Free Solution From tesa

Now you can simplify splicing high-speed flexible packaging films – without sacrificing speed or efficiency. tesa® 51948 EasySplice FilmLine Black X is a new, very high-contact adhesive that provides excellent wetting properties on high-slip films. tesa® Black X combines speed and precision to change the game for high-slip films.

Collaborating with customers, we developed a flying splice tape with an integrated splicing strip. tesa® Black X was designed specifically for low-surface energy substrates like polyethylene films with a high amount of slip.

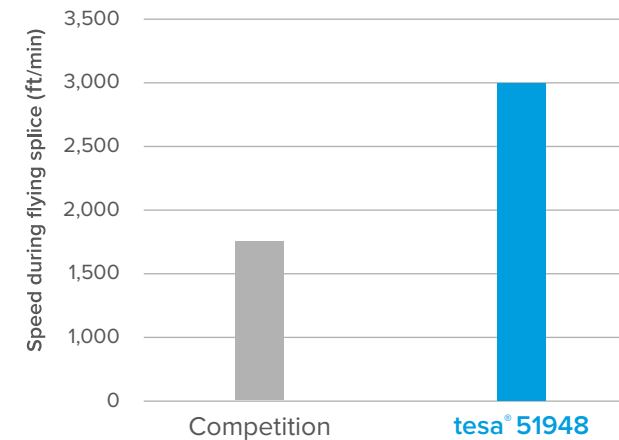
That means secure and reliable performance – at high speeds.



## Double Your Machine Speed

Tests have shown that, by using tesa® Black X, you can run your flexographic or rotogravure press twice as fast as with alternative materials.

### SPEED COMPARISON\*



\*Based on laboratory testing

## How Much Can You Save?

tesa® 51948 EasySplice FilmLine Black X has been tested around the world, and with seven different flexible packaging customers in the U.S. The global success rate was 100 percent.

Even at 99 percent, though, the ability to successfully splice at speed can save you more than \$2 per splice – from higher splice performance and reduced failures. At a standard web width, and assuming 15,000 splices, that’s more than \$30,000 in total savings per year.



## tesa® BLACK X MAKES THE DIFFERENCE

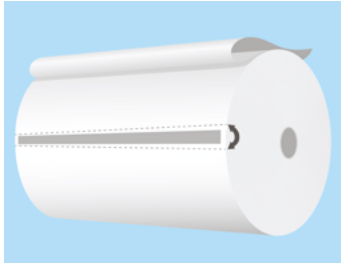
- Runs at high speeds (up to 3,000 ft/minute) with no slowing, no adjustments and no interruptions
- Adheres quickly during the splice and with a very small amount of pressure
- Eliminates the hassle and mess of glues and additional tapes
- Eliminates web breaks
- Reduces waste
- Performs well on recycled films and non-woven materials

## tesa® 51948 EasySplice FilmLine Black X Technical Data

Product	tesa® 51948
Backing	PET
Color	Black
Tack	●●●●
Thickness w/o liner [µm/mil]	115/4.6
Adhesion	●●
Sheer resistance	●
Tensile Strength [N/cm]	70

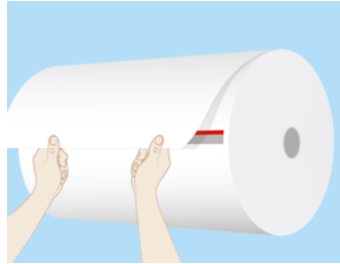
●●●● Very good ●●● Good ●● Medium ● Low

## Fast and Easy Splice Preparation



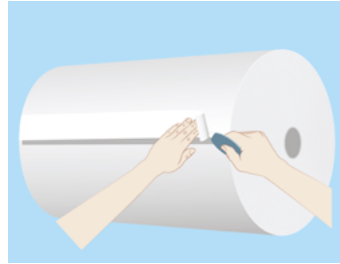
### Underneath

Apply the tape under the top layer of the film reel. Then remove the upper part of the liner.



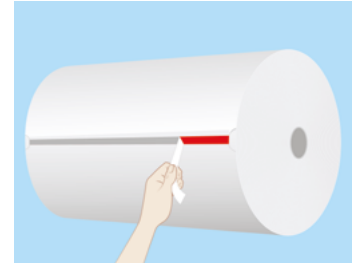
### On top

Attach the top layer onto the exposed adhesive of the tape.



### Remove

Tear off the excess film following the line of the remaining section of the liner.



### Finish

Before accelerating the reel carefully remove the lower part of the liner.

## THE BOTTOM LINE

tesa® Black X will increase your productivity and efficiency on press. Slowing down while splicing high-slip materials will be a thing of the past. Whether in your printing or converting line, or your lamination processes, you'll see the benefits of not having to deal with glues, or additional tapes for high-slip films.



Our management system is certified according to the standards ISO 9001, ISO 14001, and ISO/TS 16949.

### United States and Canada

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