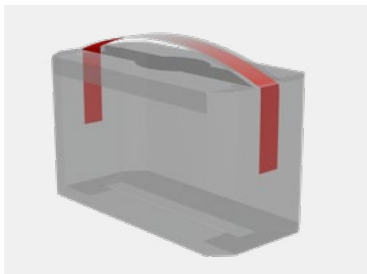




## Paper-based packaging reinforcement



tesa® 51345 reinforcement tape for enhanced strength and packaging recyclability



Lightweight and thinner flute packaging offers cost reductions, supports sustainability targets, and enhances print quality and freedom of design. Despite these obvious benefits, it is important to strike a balance between reducing material thickness and maintaining sufficient strength and protection for the packaged goods. Packaging design and material selection should consider the specific requirements of the product being packaged to ensure adequate protection during handling, transportation, and storage. That is where tape comes into play: **Reinforcement tapes add strength to lightweight packaging.**

### Supporting lighter packaging with a more sustainable solution: Introducing tesa® 51345

With our newly launched paper-based reinforcement tape tesa® 51345 you can add extra strength to your packaging while at the same time ensuring recyclability of the opened box.

At tesa, we want to increasingly use our expertise to develop products with a contribution to sustainability. tesa® 51345 ticks the following boxes when it comes to sustainable aspects:

- Recyclable: disposable with the board material
- Paper backing from sustainably managed sources
- Solvent-free coating process
- 100% recycled paper core





tesa® 51345 has been developed to reinforce critical stress areas like side hole handles, flap handles, and top hole handles. Tests have proven same level of performance strength as market standard film-based tapes.

The tape's innovative, strong paper backing is combined with a high-tack adhesive, ensuring a reliable bond also on board with highly recycled content. When the packaging is disposed of, the tape can be recycled along with the packaging material.

tesa® 51345 can be applied in-line during the corrugated board manufacturing process or off-line during box processing with market standard applicator systems.

## tesa® 51345 main benefits at a glance



Product design helps to achieve packaging sustainability targets



Visual appearance within final packaging appreciated by leading box design centers



Strong paper backing and high adhesion on board material for reliable box reinforcement

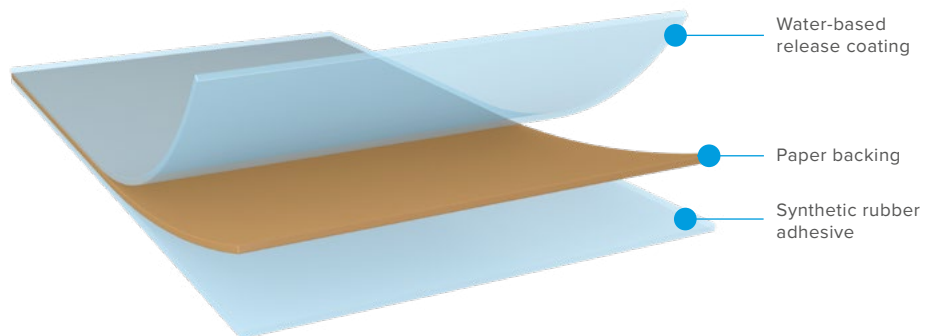


Efficient processing with market standard tape applicators

## Technical data

### tesa® 51345

<b>Backing</b>	Paper
<b>Total thickness</b>	220 µm
<b>Type of adhesive</b>	Synthetic rubber – solvent-free
<b>Elongation at break</b>	12 %
<b>Tensile strength</b>	145 N/cm
<b>Adhesion to steel</b>	11 N/cm



tesa SE  
 Phone: +49 40 88899 0  
[tesa.com/company/locations](https://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.