



tesa® 6066x – Bio-based electrically conductive tape

The new tesa® 6066x double-sided electrically conductive tape assortment consists of 75% bio-based carbon content adhesive and 100% post-consumer-recycled (PCR) PET content in the backing. It is further equipped with 100% PCR PET in the liner.

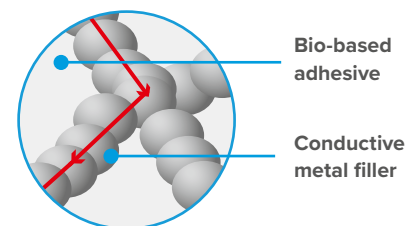
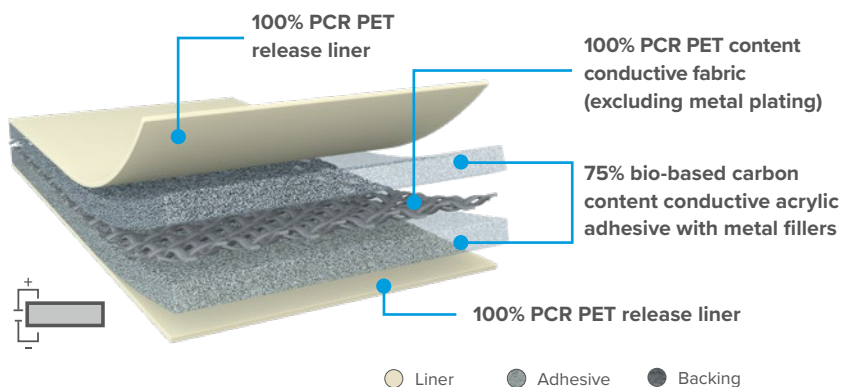
tesa® 6066x series provides well-balanced performance between electrical conductivity and bonding properties, so that it can meet most of your general requirements in grounding and shielding applications. Our tesa® 6066x bio-based ECT assortment can meet your requirements in terms of tape performance and can also contribute to your sustainability agenda.

Key features

- 75% bio-based carbon content acrylic adhesive*
- 100% post-consumer-recycled PET content in backing and liner**
- Excellent electrical conductivity in XYZ-direction
- Very good bonding performance

Your benefits

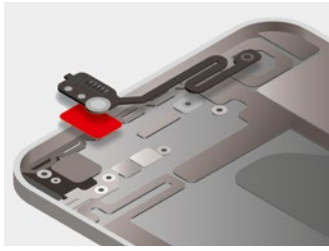
- Usage of our bio-based ECT tape can contribute to your sustainability agenda
- Stable and reliable grounding in customer's devices



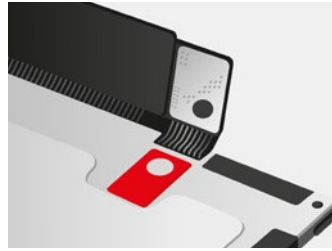
* Based on ASTM D6866 test result without liner

** Based on Global Recycled Standard

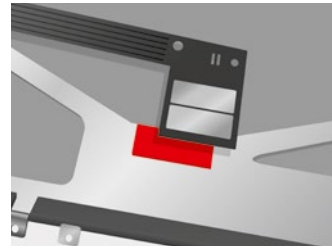
Key applications



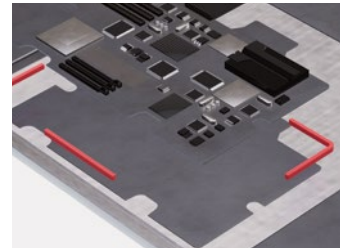
FPC on SUS



Display grounding



FPC grounding



MLB grounding

tesa® bio-based ECT has a well-balanced performance in grounding and shielding applications in electronic devices and can be an alternative solution for customers' future projects with an increased share of sustainability.

Performance overview

| Product | | | | |
|---|----------------|----------------------|------------------------|------------------------|
| | Thickness [μm] | Peel adhesion [N/cm] | Contact resistance [Ω] | Surface resistance [Ω] |
| tesa® 60665 bio-based ECT | 50 | >5.5 | <0.05 | <0.2 |
| tesa® 60667 bio-based ECT | 100 | >7.6 | <0.05 | <0.2 |

Assortment overview

| | tesa® 60665 | tesa® 60667 |
|------------------------|---|-------------|
| Total thickness [μm] | 50 | 100 |
| Color | Gray | |
| Adhesive* | 75% bio-based carbon content acrylic adhesive + metal fillers | |
| Backing [μm]** | 100% PCR PET content conductive woven | |
| Bio-based content [%]* | 43 | 39 |
| Release liner** | 25 μm/50 μm double 100% PCR PET content liner | |

* Based on ASTM D6866 test result without liner
 ** Based on Global Recycled Standard

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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.