

# tesa® 51865

## Product Information



## Sustainable Aspects

- tesa® 51865 Next Gen with -37% CO<sub>2</sub> emissions\* compared to tesa® 51865
- Biomass balanced tackified acrylic adhesive
- 90% PCR PET in the backing



For more information: <https://www.tesa.com/product-sustainability>

## Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

## Product Construction

- |                                                         |                   |                   |             |
|---------------------------------------------------------|-------------------|-------------------|-------------|
| • Backing                                               | PET film          | • Total thickness | 165 µm      |
| • Bio-based carbon content of liner (acc. DIN EN 16640) | 90 %              | • Color           | transparent |
| • Type of adhesive                                      | tackified acrylic |                   |             |

## Properties/Performance Values

- |                          |           |                                     |           |
|--------------------------|-----------|-------------------------------------|-----------|
| • Elongation at break    | 55 %      | • Static shear resistance at 23°C   | very good |
| • Tensile strength       | 20 N/cm   | • Static shear resistance at 40°C   | very good |
| • Ageing resistance (UV) | good      | • Tack                              | good      |
| • Chemical Resistance    | good      | • Temperature resistance long term  | 100 °C    |
| • Humidity resistance    | very good | • Temperature resistance min.       | -40 °C    |
| • Softener resistance    | good      | • Temperature resistance short term | 200 °C    |

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## Product Information

### Adhesion to Values

|                                           |           |                                       |           |
|-------------------------------------------|-----------|---------------------------------------|-----------|
| • ABS (initial)                           | 9.5 N/cm  | • PET (covered side, after 14 days)   | 10.5 N/cm |
| • ABS (after 14 days)                     | 10 N/cm   | • PET (covered side, initial)         | 10 N/cm   |
| • ABS (covered side, after 14 days)       | 13 N/cm   | • PP (initial)                        | 7 N/cm    |
| • ABS (covered side, initial)             | 12 N/cm   | • PP (after 14 days)                  | 8 N/cm    |
| • Aluminium (initial)                     | 9 N/cm    | • PP (covered side, after 14 days)    | 8.5 N/cm  |
| • Aluminium (after 14 days)               | 9.5 N/cm  | • PP (covered side, initial)          | 8 N/cm    |
| • Aluminium (covered side, after 14 days) | 12.5 N/cm | • PS (initial)                        | 9 N/cm    |
| • Aluminium (covered side, initial)       | 12 N/cm   | • PS (after 14 days)                  | 11 N/cm   |
| • PC (initial)                            | 9 N/cm    | • PS (covered side, after 14 days)    | 13.5 N/cm |
| • PC (after 14 days)                      | 12 N/cm   | • PS (covered side, initial)          | 12 N/cm   |
| • PC (covered side, after 14 days)        | 15 N/cm   | • PVC (initial)                       | 7 N/cm    |
| • PC (covered side, initial)              | 13 N/cm   | • PVC (after 14 days)                 | 11 N/cm   |
| • PE (initial)                            | 6.5 N/cm  | • PVC (covered side, after 14 days)   | 14 N/cm   |
| • PE (after 14 days)                      | 7 N/cm    | • PVC (covered side, initial)         | 9 N/cm    |
| • PE (covered side, after 14 days)        | 8 N/cm    | • Steel (initial)                     | 9.6 N/cm  |
| • PE (covered side, initial)              | 7 N/cm    | • Steel (after 14 days)               | 11.5 N/cm |
| • PET (initial)                           | 9 N/cm    | • Steel (covered side, after 14 days) | 14.5 N/cm |
| • PET (after 14 days)                     | 9.5 N/cm  | • Steel (covered side, initial)       | 13.3 N/cm |

### Certificates

#### Sustainability Certificates

tesa® 51865 Next Gen – Team 4965 Differential contains a 90% recycled PET backing, resulting in an average of 6% post-consumer recycled content (including red MOPP liner) in the tape. This is a third-party environmental claim validated against the UL Environmental Claim Validation Procedure 2809 for recycled content. The UL Environmental Claim Validation Program falls under UL's ISO/IEC17025 accreditation.

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### Disclaimer

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless 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. Therefore, 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.



For latest information on this product please visit <http://l.tesa.com/?ip=51865>