The latest front and rear-end modules offer the perfect combination of functionality and style. This leads to material that is lighter in weight but difficult to join mechanically. To make sure every customer demand is met, we develop adhesive tape solutions for front and rear-end applications.

Our solutions go beyond tape. We provide technical consultation and proven application tools in order to implement our tailor-made solutions quickly and reliably into our customers’ production processes.

Our tapes are ideally suited to the different steps of front and rear-end assembly. The proven benefits of our system solutions include:

- Permanent bonding of bumper parts like emblems, headlight washers, park-distance sensors, cameras, and lasers
- Permanent mounting of stiffening bars for thin bumpers
- Mounting the edges of the bumper on the car body to prevent scratches to the paint and BSR (buzz, squeak, and rattle)
- Enabling high-end multicolor designs by precise masking of bumper parts
- Secure mounting of harnesses and water hoses to the bumper
- Reliable protection against splintering
- Surface protection against damage in OEM assembly line and logistical processes

1. Bumper
2. Park-distance sensors
3. Headlight washers
4. Headlights
5. Cameras and lasers
6. Emblems
7. Harnesses
8. Water hoses
### Product overview by function

#### Ensured lifelong bonding

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefit</th>
<th>Components</th>
</tr>
</thead>
</table>
| tesa® ACX® plus 7812 Black Line | • Viscoelastic closed-cell acrylic foam core  
• Deep black color  
• Tackified acrylic | • Compensate for different thermal elongation of bonded parts  
• High bonding power | • Decorative trims and emblems  
• Park-distance sensors  
• Bumper edges |

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<tr>
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</table>
| tesa® ACX® plus 771XX | • Pure acrylic foam core  
• Silicone-free HDPE or PE coated paper liner | • Excellent performance at elevated temperatures  
• Superior wet-out performance | • Decorative trims and emblems  
• Park-distance sensors  
• Bumper edges |

#### Surface protection to reduce risk of damage

<table>
<thead>
<tr>
<th>Feature</th>
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<th>Components</th>
</tr>
</thead>
</table>
| tesa® 50560 | • UV-stable adhesives  
• Paint compatibility to various clear coats  
• Robotic application processes possible | • Outdoor protection of sensitive or coated plastics up to 12 months  
• Automated processes generating time and cost savings | • Bumper |

<table>
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<tr>
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</table>
| tesa® 50550 | • High abrasion resistance  
• High transparency | • Avoid scratches from OEM assembly line and logistical processes | • Headlights |

#### Protection to reduce risk of splintering

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefit</th>
<th>Components</th>
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</thead>
</table>
| tesa® 54994 | • Great optical clarity  
• Highly durable PU | • Permanent protection against corrosion and part wear as well as splintering | • Bumper parts  
• Headlights |

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</table>
| tesa® 54338  
54339 | • Transparent  
• Water- and air-tight seal  
• Suitable for paint processes | • Permanent protection against corrosion by closing apertures | • Bumper |

#### Secure mounting

<table>
<thead>
<tr>
<th>Feature</th>
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</tr>
</thead>
</table>
| tesa® 50118 | • S/s PET fleece  
• ‘Low VOC’ adhesive | • For high bonding and secure mounting of cables on rough surfaces with excellent damping properties | • Harnesses in water hoses |

#### High-end design by precise masking

<table>
<thead>
<tr>
<th>Feature</th>
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<th>Components</th>
</tr>
</thead>
</table>
| tesa® 7140 | • High temperature resistance  
• High tensile strength  
• Good anchorage to paint  
• Robotic application processes possible | • Protect e-coat from painting  
• Easy demasking  
• Lean and safe production process | • Bumper |

<table>
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<tr>
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<th>Components</th>
</tr>
</thead>
</table>
| tesa® 4174  
4244  
4185 | • High temperature resistance  
• Thin tape design  
• Conformable backing | • Excellent color-line separation for high-end multicolor work  
• Straight and curved-line application | • Bumper |

<table>
<thead>
<tr>
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<th>Benefit</th>
<th>Components</th>
</tr>
</thead>
</table>
| tesa® 5193X  
7133 | • Self-adhesive masking solution  
• Temperature resistance up to 120°C | • Efficient overmasking for excellent multicolor work and temporary surface protection | • Bumper |

**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.