



# ADHESIVE SOLUTIONS FOR FRONT AND REAR-END MODULES

## Our Complete Package from Permanent Bonding to Masking

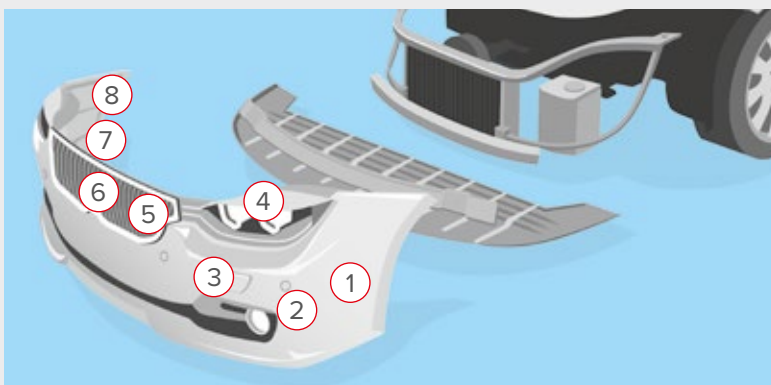
The latest front and rear-end modules offer the perfect combination of functionality and style. This leads to material that is **lighter in weight** but difficult to join mechanically. To make sure every customer demand is met, we develop adhesive tape solutions for **front and rear-end applications**.

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

# Always the Right Solution



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

	Feature	Benefit	Components
<b>Ensured lifelong bonding</b>			
tesa® ACX <sup>plus</sup> 7812 Black Line	<ul style="list-style-type: none"> <li>• Viscoelastic closed-cell acrylic foam core</li> <li>• Deep black color</li> <li>• Tackified acrylic</li> </ul>	<ul style="list-style-type: none"> <li>• Compensate for different thermal elongation of bonded parts</li> <li>• High bonding power</li> </ul>	<ul style="list-style-type: none"> <li>• Decorative trims and emblems</li> <li>• Park-distance sensors</li> <li>• Bumper edges</li> </ul>
tesa® ACX <sup>plus</sup> 771XX	<ul style="list-style-type: none"> <li>• Pure acrylic foam core</li> <li>• Silicone-free HDPE or PE coated paper liner</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent performance at elevated temperatures</li> <li>• Superior wet-out performance</li> </ul>	<ul style="list-style-type: none"> <li>• Decorative trims and emblems</li> <li>• Park-distance sensors</li> <li>• Bumper edges</li> </ul>
<b>Surface protection to reduce risk of damage</b>			
tesa® 50560	<ul style="list-style-type: none"> <li>• UV-stable adhesives</li> <li>• Paint compatibility to various clear coats</li> <li>• Robotic application processes possible</li> </ul>	<ul style="list-style-type: none"> <li>• Outdoor protection of sensitive or coated plastics up to 12 months</li> <li>• Automated processes generating time and cost savings</li> </ul>	<ul style="list-style-type: none"> <li>• Bumper</li> </ul>
tesa® 50550	<ul style="list-style-type: none"> <li>• High abrasion resistance</li> <li>• High transparency</li> </ul>	<ul style="list-style-type: none"> <li>• Avoid scratches from OEM assembly line and logistical processes</li> </ul>	<ul style="list-style-type: none"> <li>• Headlights</li> </ul>
<b>Protection to reduce risk of splintering</b>			
tesa® 54994	<ul style="list-style-type: none"> <li>• Great optical clarity</li> <li>• Highly durable PU</li> </ul>	<ul style="list-style-type: none"> <li>• Permanent protection against corrosion and part wear as well as splintering</li> </ul>	<ul style="list-style-type: none"> <li>• Bumper parts</li> <li>• Headlights</li> </ul>
tesa® 54338 54339	<ul style="list-style-type: none"> <li>• Transparent</li> <li>• Water- and air-tight seal</li> <li>• Suitable for paint processes</li> </ul>	<ul style="list-style-type: none"> <li>• Permanent protection against corrosion by closing apertures</li> </ul>	<ul style="list-style-type: none"> <li>• Bumper</li> </ul>
<b>Secure mounting</b>			
tesa® 50118	<ul style="list-style-type: none"> <li>• S/s PET fleece</li> <li>• 'Low VOC' adhesive</li> </ul>	<ul style="list-style-type: none"> <li>• For high bonding and secure mounting of cables on rough surfaces with excellent damping properties</li> </ul>	<ul style="list-style-type: none"> <li>• Harnesses in water hoses</li> </ul>
<b>High-end design by precise masking</b>			
tesa® 7140	<ul style="list-style-type: none"> <li>• High temperature resistance</li> <li>• High tensile strength</li> <li>• Good anchorage to paint</li> <li>• Robotic application processes possible</li> </ul>	<ul style="list-style-type: none"> <li>• Protect e-coat from painting</li> <li>• Easy demasking</li> <li>• Lean and safe production process</li> </ul>	<ul style="list-style-type: none"> <li>• Bumper</li> </ul>
tesa® 4174 4244 4185	<ul style="list-style-type: none"> <li>• High temperature resistance</li> <li>• Thin tape design</li> <li>• Conformable backing</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent color-line separation for high-end multicolor work</li> <li>• Straight and curved-line application</li> </ul>	<ul style="list-style-type: none"> <li>• Bumper</li> </ul>
tesa® 5113X 7133	<ul style="list-style-type: none"> <li>• Self-adhesive masking solution</li> <li>• Temperature resistance up to 120°C</li> </ul>	<ul style="list-style-type: none"> <li>• Efficient overmasking for excellent multicolor work and temporary surface protection</li> </ul>	<ul style="list-style-type: none"> <li>• Bumper</li> </ul>

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