



tesa[®] 76555

Bond & Detach



Product Information

500 µm stretch release tape

Product Description

Double sided specialty adhesive tape for reliable bonding of components over the lifetime of a car with the additional feature to release the bond, leaving no residues behind.

Our Bond & Detach[®] solutions offer the possibility to rework high value components during the production process enhancing process efficiency by decreasing reworking time, effort and scrap cost.

The stretch-release mechanism used to debond our Bond & Detach[®] needs no additional heat, cold or liquids that would endanger surrounding materials and leaves clean and residue-free substrates. This enables an easy reuse of the bonded high value components.

Its high temperature- and humidity-resistance allows for the usage in various automotive applications such as display mounting, bonds in ADAS components and EV systems. Furthermore our 76555 is perfectly suited for temporary applications during production.

The white color allows for automated application and prevents light leakage.

Product Features

- High initial bonding strength
- Strong adhesion even to low surface energy substrates
- Easy and reliable removability even after long bonding time
- Residue-free
- Light blocking
- PFAS free

Application Fields

Target markets for tesa Bond & Detach[®] 76555 are automotive display mounting, E-mobility and ADAS systems. It can be used in light weight permanent mounting applications in displays such as FPCs/PCBs as well as in ADAS sensors. Temporary applications such as tracking devices during production or temporary protection are reliably bond and detached with this product as well.

Technical Information (average values)

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

For latest information on this product please visit <http://l.tesa.com/?ip=76555>



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Product Information

Product Construction

• Backing	none	• Total thickness	500 µm
• Type of adhesive	specialty	• Color	white
• Type of liner	PET	• Color of liner	transparent

Properties/Performance Values

• Elongation at break	700 %	• Temperature resistance long term	90 °C
• Tensile strength	60 N/cm	• Temperature resistance short term	120 °C
• Static shear resistance at 23°C	very good		

Adhesion to Values

• PC (after 3 days)	24 N/cm	• PE (after 14 days)	13 N/cm
• PE (initial)	13 N/cm	• Steel (initial)	30 N/cm

Additional Information

Static shear at 90°C was loaded with 500 g. At room temperature the tape holds 1000 g static shear load for over 10000 minutes.

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.



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