



# DESIGNED TO PROTECT

Strapping Tapes for Safety and Security



# OUR STRONGEST TAPES

We are one of the world's leading manufacturers of self-adhesive products and system solutions. As a global partner, we offer a wide range of adhesive tape solutions, aimed at reliable fixation, surface protection, packaging, and transport-securing applications. Our innovative solutions are designed to protect valuable goods and to prevent damage.

To this end, our strapping tapes are based on custom-made tensilized polypropylene backings combined with proprietary

adhesive systems. Consequently, they offer just the right mix of strength, versatility, and reliability for a great variety of applications.

Strapping tapes are frequently used to protect delicate surfaces, fix loose parts, protect key components against shocks and mechanical stress during transport, and to bundle and palletize all sorts of transport units.

## Product features

The most important technical characteristics of our strapping tapes are the strong and sturdy backings that enable the tape to absorb high tensile strength while exhibiting low elongation. In combination with the unique adhesive formulations of tesa, a high level of residue-free removability after use is typical.

- Thick and strong backing
- High strength and low elongation
- Highly stain- and adhesive-transfer-resistant

## User benefits

As a consequence, products and parts protected with our tapes arrive undamaged and in mint condition at distribution partners, retail shops, and at consumers, meaning there is no need to handle costly and time-consuming claims that could cause damage to reputation and brand perception.

In our application laboratories, we constantly analyze all kinds of materials in combination with our adhesive tape solutions. Depending on customer-specific demands, our analysis includes tests on resistance to high and low

temperatures, peel adhesion, shock and tension absorption, and much more. The result: adhesive tape solutions that perfectly suit your needs.

Product	Key characteristics	Residue-free removal	Tensile strength [N/cm]	Backing thickness	Adhesive type	Total thickness [µm]	Adhesion [N/cm]	Elongation at break [%]
<b>Premium</b>								
tesa® 4289	<ul style="list-style-type: none"> <li>• Strong and sturdy backing</li> <li>• Highly abrasion-resistant</li> </ul>	••••	420	••••	Natural rubber	144	5	35
tesa® 4288	<ul style="list-style-type: none"> <li>• Highly heat- and cold-resistant</li> <li>• Strong abrasion-resistance</li> <li>• Good UV-resistance</li> </ul>	••••	300	•••	Natural rubber	114	5	35
tesa® 4298	<ul style="list-style-type: none"> <li>• High adhesion level</li> <li>• Highly stain- and adhesive-transfer-resistant</li> </ul>	••••	285	•••	Natural rubber	116	6.7	33
<b>Standard</b>								
tesa® 64284	<ul style="list-style-type: none"> <li>• Highly stain- and adhesive-transfer-resistant</li> <li>• Strong abrasion-resistance</li> </ul>	••••	300	•••	Natural rubber	110	4	35
tesa® 4591	<ul style="list-style-type: none"> <li>• Highly tear-resistant cross filament</li> <li>• Very low elongation</li> <li>• Strong adhesion level</li> </ul>	•	250	••	Synthetic rubber	140	9.5	4
tesa® 4590	<ul style="list-style-type: none"> <li>• Monofilament</li> <li>• Very low elongation</li> <li>• Strong adhesion level</li> </ul>	•	250	••	Synthetic rubber	105	9.5	4
<b>Basic</b>								
tesa® 4287	<ul style="list-style-type: none"> <li>• Highly heat- and cold-resistant</li> <li>• Good conformability</li> </ul>	•••	180	••	Natural rubber	79	4	35
tesa® 64286	<ul style="list-style-type: none"> <li>• Good conformability</li> <li>• High adhesion level</li> </ul>	•	175	••	Synthetic rubber	73	7.5	35
<b>Speciality</b>								
tesa® 64250	<ul style="list-style-type: none"> <li>• Highly UV-resistant</li> <li>• Good conformability</li> <li>• Highly stain- and adhesive-transfer-resistant</li> </ul>	••••	100	•	Acrylic	79	3	30
tesa® 51128	<ul style="list-style-type: none"> <li>• Typically removable from labels/cartons without causing damages</li> </ul>	•••	110	•	Natural rubber	62	1	30

•••• Very good ••• Good •• Medium • Low

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.

# PROTECT TRANSPORT UNITS AGAINST DAMAGE

## Prevent costly claims resulting from transport damage

Strong packaging tapes are commonly used to protect delicate surfaces, fix movable parts, and protect key components such as doors and hinges against damage caused by shocks and mechanical stress during moving and handling, transport, warehousing, and installation.

As a consequence, to prevent slipping, tearing, breaking, and residues, reliable transport-securing tapes need to be able to cope with all kinds of physical stress.

Otherwise, there is a high risk of costly damage that is frustrating for trading partners, dealers, and consumers. Apart from the negative user experience, there is also the costly handling of the damage and claims to take into account.

### Features

- High resistance against slipping, tearing, and breaking
- Strong protection against wear and tear
- Highly stain- and adhesive-transfer resistant

### Benefits

- Reliable protection against transport damage
- Reduction of costs for handling of claims
- Positive end-user experience



Securing of appliances for transport



## Safely bundle and palletize transport units

Before loose or packaged goods can be transported, they need to be bundled or palletized.

To prevent consignments from slipping, moving, and shifting, especially strong tapes with sturdy backings, allowing only minimal elongation while under pressure from mechanical and environmental stress, are needed.

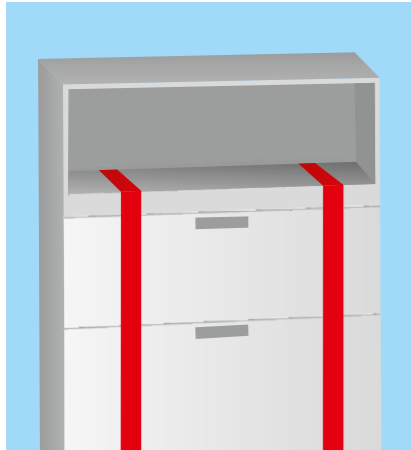
In addition, excellent adhesion is required in order to make sure the tape stays in place on a variety of substrates, ranging from cardboard, metal and plastics, to difficult surfaces such as shrink-wraps and protective films.

### Features

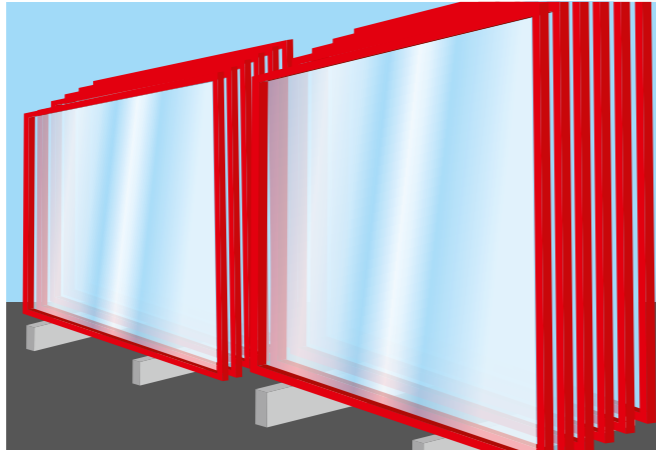
- Excellent adhesion to various surfaces
- Strong resistance against mechanical and environmental stress during transport
- Highly stain- and adhesive-transfer resistant (where needed)

### Benefits

- High level of safety for personnel handling transport units
- Reduction of transport damage for freight carriers
- Reduction of costs for handling of claims for senders



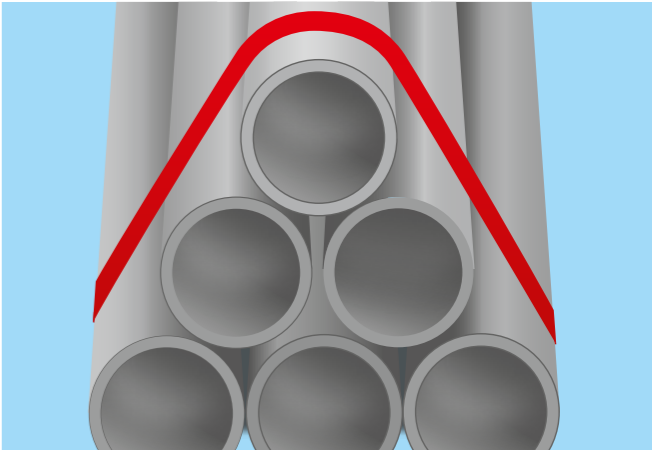
Protection of furniture for transport



Protection of glass edges



Securing of dangerous goods



Bundling of pipes and steel tubes

# SAFEGUARD DELICATE SURFACES AND HOLD MOVABLE PARTS IN PLACE



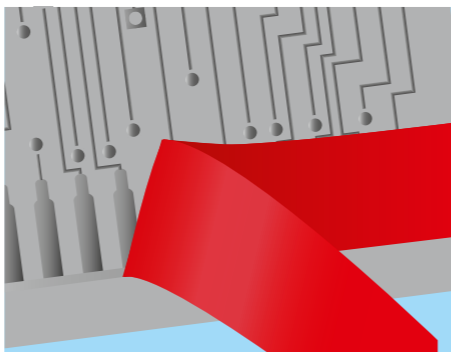
Protection of window frame

## Prevent scratch marks, damage, and dirt during assembly and installation

Before the assembly and installation of various parts and products, delicate surfaces need to be protected against scratches, stains, and dirt.

To be reliable for surface protection applications, tapes need to have a strong, sturdy backing that withstands many kinds of mechanical stress.

In addition, a special adhesive system is needed to enable adhesion to various surfaces and residue-free removability at the same time.



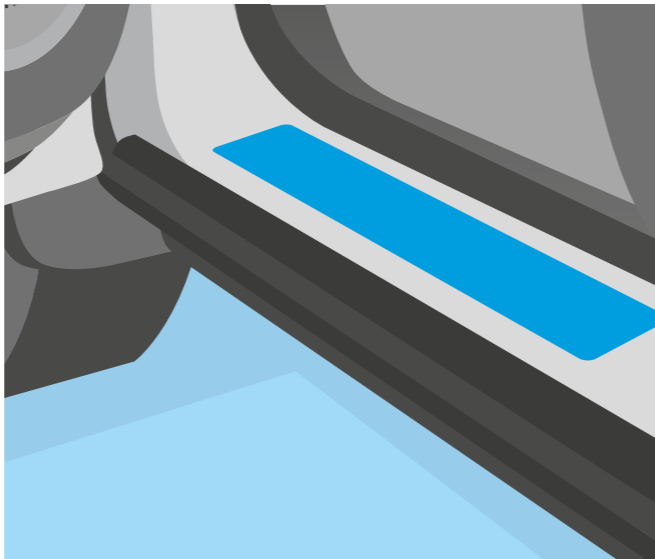
Galvanizing in the electrical industry

## Features

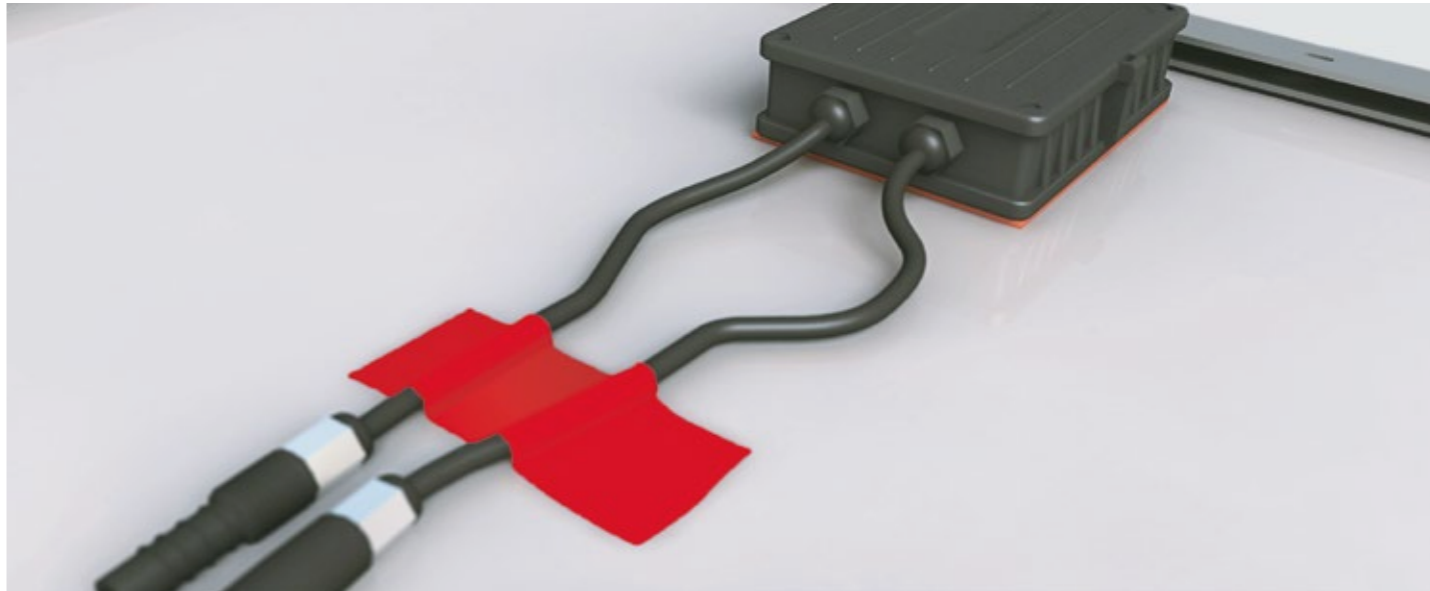
- Excellent adhesion to various surfaces
- High level of abrasion resistance during assembly and installation
- Highly stain- and adhesive-transfer resistant

## Benefits

- Reliable protection against scratches, damage, and dirt
- Reduction of costs for replacement of damaged parts
- No need for cleaning and removal of scratch marks and dirt from delicate surfaces



Frame protection during assembly



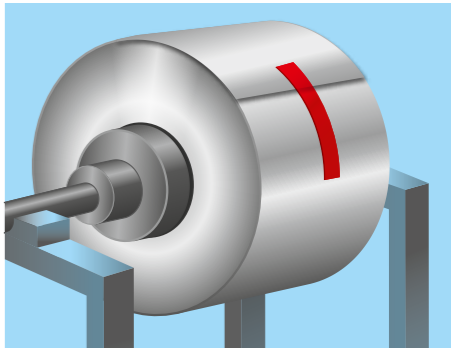
Cable fixation

## Ensure movable and loose parts stay in place

Temporary and permanent fixation is a common application in many industries.

Movable parts need to be firmly held in place during assembly operations, while loose parts often need to be permanently fixated for the lifetime of the end product.

Whether it is a permanent or temporary application, tapes that are suited for this type of application need to have a robust backing and also offer strong bonding to different surfaces. If the fixation is only temporary, the tapes need to be removable without residues.



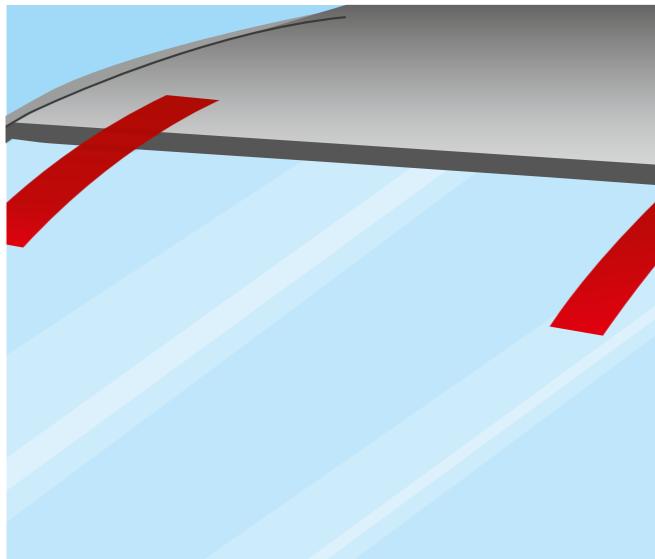
Coil tabbing in the metal industry

## Features

- Excellent adhesion to various surfaces
- Strong resistance against mechanical and environmental stress
- Highly stain- and adhesive-transfer resistant

## Benefits

- Reliable fixation of loose and moving parts
- Reduction of damage caused by loose parts during assembly
- Reduction of costs for repair and replacement of parts that become loose over time



Frame protection during assembly



Our management system is certified according to the standards ISO 9001, ISO/TS 16949, and ISO 14001.

