

HIGH STRENGTH TAPE FOR LOW ENERGY SURFACES

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.

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

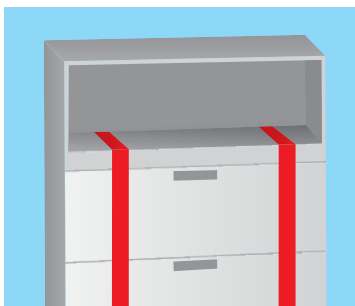
- Excellent adhesion to various surfaces
- High resistance against slipping, tearing, and breaking
- High level of abrasion resistance during assembly and installation
- Strong protection against wear and tear
- Highly stain- and adhesive-transfer resistant

Benefits

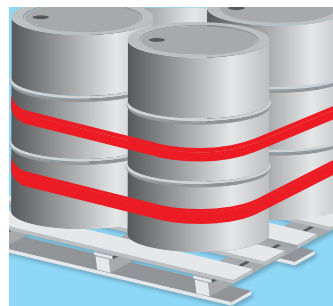
- Reliable protection against transport damage
- Reduction of costs for handling of claims
- Safeguard delicate surfaces
- Hold moveable parts in place
- Reliable protection against scratches, damage, and dirt
- Positive end-user experience



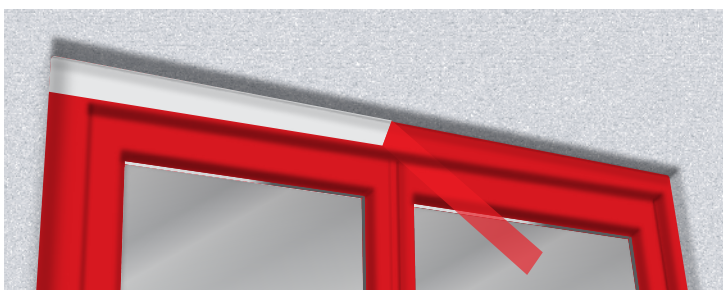
Securing of appliances for transport



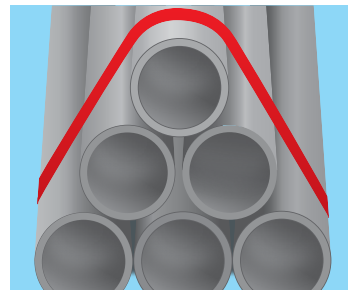
Protection of furniture for transport



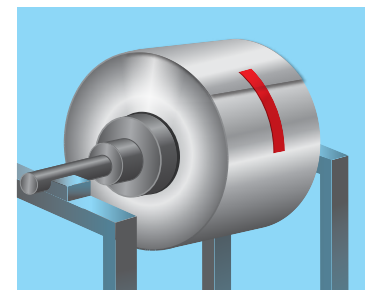
Securing of dangerous goods



Protection of window frame



Bundling of pipes and steel tubes



Coil tabbing in the metal industry

In tesa's application laboratories, they constantly analyze all kinds of materials in combination with our adhesive tape solutions. Depending on customer-specific demands, the 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	Tensile strength [lbs/in]	Adhesive type	Total thickness [mil]	Adhesion [oz/in]	Elongation at break [%]
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Versatile Strapping Solutions

We offer a variety of tensilized polypropylene (TPP) tapes with various strengths and thicknesses that meet your securing needs.

tesa® 4289	<ul style="list-style-type: none"> • Strong and sturdy backing • Highly abrasion-resistant 	214	Natural rubber	5.9	50	35
tesa® 4299	<ul style="list-style-type: none"> • High tensile strength and stain resistance • High tack, high adhesion, and high chemical resistance 	200	Natural rubber	6.1	69	35
tesa® 4298	<ul style="list-style-type: none"> • High adhesion level • Highly stain- and adhesive-transfer-resistant 	163	Natural rubber	4.6	61	35
tesa® 4288	<ul style="list-style-type: none"> • Strong abrasion resistance • Good UV-resistance (Black) 	143	Natural rubber	4.1	50	35
tesa® 4287	<ul style="list-style-type: none"> • Good strain and adhesive transfer resistance • Comfortable backing 	97	Natural rubber	2.7	49	35
tesa® 4090	<ul style="list-style-type: none"> • High shear resistance and good initial tack • Good tensile strength and low elongation 	95	Synthetic rubber	2.7	47	35

LSE (Low Surface Energy) Substrate Strapping Solutions

For difficult-to-bond, low-surface-energy (non-polar) substrates, we offer specialized solutions in various thicknesses and tensile strengths, with a unique synthetic-rubber adhesive that provides excellent residue-free removal.

tesa® 53000	<ul style="list-style-type: none"> • Revolutionary thin backing with high-performance adhesive for low-energy substrates • High tensile strength 	171	Synthetic rubber	5.0	64	18
tesa® 53300	<ul style="list-style-type: none"> • Mid-range tensile strength backing with high-performance adhesive • Secure bond to difficult surfaces 	163	Synthetic rubber	4.6	64	35
tesa® 53200	<ul style="list-style-type: none"> • Thinnest backing with high-performance adhesive • Extremely conformable providing better bond to surface 	143	Synthetic rubber	4.3	64	35

