

Benefits of working with tapes

Pressure-sensitive adhesive tapes are a proven bonding technology that provides benefits in quality, assembly speed, and design. Our tape dispensers can be integrated into your extrusion line easily and with minimal adjustments. They outperform solutions such as liquid adhesives or mechanical fasteners in many ways.

		Double-sided tapes	Liquid glue	Mechanical fastening (e.g. rivets, screws, nails)
Design	Improved visual appearance – no damage to the material	....	...	.
	Invisible fastening – mounting of transparent materials	....	...	.
Assembly	Fast application process – elimination of curing time and reduction of complexity	....	.	..
	Healthy working environment and clean production sites	....	..	..
Quality	Compensation of irregular or uneven surfaces – gaps between bonded surfaces are eliminated	...	....	.
	Compensation of tension and stress dissipation – single bonding point with mechanical fasteners can lead to material breakage	....	..	.
	Noise-dampening properties – sounds caused by vibration are eliminated	....	...	.
	Shock absorption	....	..	.
	Sealing function – tape seals and protects against dust and moisture	....	....	..
	Reduced risk of corrosion	....	....	.

.... Very good ... Good .. Medium . Low



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



EFFICIENCY MEETS DESIGN

Solutions for the Furniture Industry



tesa SE
Phone: +49 40 88899 0
tesa.com/company/locations

tesa.com

Mirror Mounting

Mounting of mirrors onto furniture fronts:
tesa® 62510 and **tesa® 4952**

- High immediate bonding strength on various substrates
- Durable holding power, reliable performance
- **TÜV Rheinland** and **LGA** approved
- Tape usage calculator tool available

Glass doors

Bonding of glass or acrylic glass to an aluminum or wooden frame:
tesa® ACX^{plus} 7055

- High transparency
- Durable bonding solution
- Fast and convenient in use

tesa® ACX^{plus} 7044

- Gray tape color to match with aluminum frame
- Fast and efficient assembly process

LED strips

Mounting of LED lights in furniture elements (cupboards, cabinets, closets, etc.):
tesa® ACX^{plus} 7074

Decorative glass panels

Permanent and secure bonding of decorative glass panels onto furniture fronts:
tesa® ACX^{plus} 7094

- High bonding strength on a variety of surfaces including low surface energy (LSE) substrates; lifetime durability
- Design flexibility due to thickness variants
- High strength and shock-absorbing



Decorative elements on glass, PMMA, or wood

Affixing lightweight decorative trims/profiles (plastic, aluminum, or wood):
tesa® 51970

- Secure bond on difficult surfaces

tesa® 62510

- Suitable for slightly rough surfaces

Decorative panels

Secure bonding of lightweight panels onto smooth or slightly rough furniture fronts:
tesa® 62510

- Increase assembly speed
- Wide range of different product thicknesses

tesa® ACX^{plus} 7065

- High adhesion to difficult surfaces
- Design flexibility due to thickness variants

Backboard splicing

Backboard splicing with tape:
tesa® 58420

- For a stable and durable bond – even on MDF or HDF
- Ensures a long product lifetime

Technical information

Product	Total thickness [µm]	Adhesive	Backing	Color	Temperature resistance [°C], short/long term	Peel adhesion ultimate [N/cm]			Additional thicknesses [µm]
						AL	Glass	Steel	
Acrylic foam tapes									
tesa® ACX ^{plus} 7044	1,000	Pure acrylic	Foamed acrylic	Gray/white	200/120	35.0	32.0	33.0	500/1,500/2,000
tesa® ACX ^{plus} 7055	1,000	Pure acrylic	Solid acrylic	Transparent	200/100	13.0	16.0	15.0	500/1,500/2,000/3,000
tesa® ACX ^{plus} 7063	800	Tackified acrylic	Foamed acrylic	Black	170/70	32.0	32.0	30.0	500/1,200/1,500
tesa® ACX ^{plus} 7074	1,000	Pure acrylic	Foamed acrylic	Black	220/120	10.0	20.0	12.0	500/1,500/2,000/2,500/3,000/4,000
tesa® ACX ^{plus} 7094	1,000	Specialty	Foamed acrylic	Black	100/80	40.0	40.0	40.0	500/1,500/2,000

Product	Total thickness [µm]	Adhesive	Backing	Color	Temperature resistance [°C], short/long term	Peel adhesion ultimate [N/cm]			Additional thicknesses [µm]
						AL	PVC	Steel	
PE foam tapes									
tesa® 62932	500	Tackified acrylic	PE foam	White/black	80/80	17.0	17.0	17.0	800/1,600
tesa® 4952	1,150	Tackified acrylic	PE foam	White	80/80	8.0	8.0	8.0	n/a
tesa® 62510	1,000	Tackified acrylic	PE foam	White/black	80/80	8.0	13.5	13.5	n/a

Product	Total thickness [µm]	Adhesive	Backing	Color	Temperature resistance [°C], short/long term	Peel adhesion ultimate [N/cm]			Additional thicknesses [µm]
						AL	PVC	Steel	
Filmic tapes									
tesa® 4965	205	Tackified acrylic	PET	Transparent	200/100	12.6	12.8	14.0	n/a
tesa® 51970	220	Tackified acrylic	PP	Transparent	130/80	12.8	17.0	13.5	n/a

Product	Total thickness [µm]	Adhesive	Backing	Color	Temperature resistance [°C], short/long term	Peel adhesion ultimate [N/cm]			Additional thicknesses [µm]
						AL	PVC	Steel	
Backboard splicing tapes									
tesa® 4578	175	Synthetic rubber	PET fibre/BOPP	White	n/a	n/a	n/a	8.0	n/a
tesa® 58420	105	Modified acrylic	PET	Transparent	n/a	n/a	n/a	8.5	n/a

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.

INTELLIGENT MOUNTING SOLUTIONS FOR THE FURNITURE INDUSTRY



tesa® 62510 – certified by TÜV Rheinland
 • Report no. 60161915



tesa® 4952 – certified by LGA
 • Report no. 3291189