



SELF-ADHESIVE TAPES FOR

PACKAGING & INDUSTRIAL APPLICATIONS

CHOOSING THE RIGHT TAPE

Every day, countless parcels are packed and goods are shipped all over the world. Providing the goods reach their destination without any damage, is an important factor for customer satisfaction. Reliable packaging solutions reduce customer complaints and the associated costs and ensure a positive image of the shipping company. Choosing the right adhesive tape is crucial in this context as it effectively seals the packaging and protects the valuable contents.

But which adhesive tape should you use? The transport route, carton quality, and weight of the packaged goods are all important factors in the selection.

monta adhesive tapes have proven their worth in a variety of applications and challenges. With the environmentally friendly monta Greenline tapes, monta also provides optimal performance for sustainable packaging solutions.

Discover our extensive product range and find the right tape for your packaging.

Are you still unsure? With our professional advice and practical tests in our laboratory we will assist you in making the best decision.

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Self-adhesive tapes are versatile. You will find the best tape for your application by combining the right backing material and adhesive. monta has a wide selection of adhesive tapes for packaging and industrial applications.

ADHESIVE TECHNOLOGIES

Natural Rubber

Natural rubber adhesive is a true all-rounder: It can securely seal even critical surfaces such as recycling cartons under extreme conditions. Natural rubber has unique flow properties and encloses the cardboard fibers rather than simply wetting them. This results in a strong bond to the board and excellent initial tack, saving material, as usually only one layer of tape is required to securely seal the carton.

At monta we manufacture our own natural rubber adhesive with customized formulations for applications such as bag sealing, strapping, splicing, or surface protection.

Hotmelt

The synthetic rubber granulate is melted and then applied to the substrate while it is still hot. It impresses with its good immediate tack, high adhesive strength on steel, and high transparency.

Acrylic

Acrylic adhesives are classified as either water-soluble or solvent-soluble. For packaging tapes, typically water-based acrylic adhesive is used, which provides excellent transparency as well as UV and ageing resistance.

BACKING MATERIALS

PVC

Our PVC adhesive tapes are particularly robust, with excellent printability and low elongation. The backing material we use is resistant to diluted acids and alkalis and contains no plasticizers or heavy metals. PVC adhesive tapes from monta are available with smooth or embossed surface, transparent and in a variety of colours.

BOPP

BOPP is an acronym for bi-axially oriented OPP film, which is used for classic packaging tapes. BOPP impresses with a favourable price-performance ratio. This tape, when combined with natural rubber adhesive, keeps its promises even in sub-zero temperatures.

MOPP

MOPP stands for mono-axially oriented OPP, which is an excellent, highly stable carrier material for specialty tape applications.

PAPER

Paper backing with its high biobased content is a more natural alternative for filmic substrates. Saturation increases the tear resistance of the paper, allowing it to reliably seal light to medium-heavy cartons.

PLA





PLA has the strength of a plastic carrier, is biobased and biodegradable via industrial composting. With this environmentally friendly carrier, the PLA adhesive tape monta bio-pack® is the world's first certified sustainable packaging tape.

rPET

Our rPET film offers the same performance as standard PET film, but largely avoids the use of virgin fossil-based raw materials. It consists of 90% post consumer recycle from collected PET bottles. Unlike bottles from closed deposit return schemes, it originates from disposed of PET bottles that are collected intentionally for the production of recycle.





A RANGE YOU CAN RELY ON: PVC ADHESIVE TAPES

PVC adhesive tapes permanently and reliably seal cartons and are ideal for long transport routes by water, air, or land. The durable PVC carrier offers high tear resistance and low elongation. When combined with our one-of-a-kind natural rubber adhesive, a strong bond with excellent immediate tack is formed. monta PVC tapes unroll quietly and easily, making them ideal for hand application. They master heavy cartons, high restoring forces, difficult carton surfaces, and large temperature fluctuations. Printed, they are the perfect advertising medium.

		monta 220/250/281	monta 283	monta 201
		The packaging tape	The basic PVC tape	Elegant, quiet & strong
		For medium heavy to heavy cartons, low noise, printable	Low noise, printable	Embossed film, low noise, easy unwind, printable
Adhesive		Natural rubber	Natural rubber	Natural rubber
Colour				
Tensile strength	N/25mm	100	90	100
	N/cm	40,2	36,2	40,2
Adhesive strength on steel	cN/25mm	500	500	500
	N/cm	2	2	2
Backing	μ	33	32	30

EXTRA STRONG PVC TAPES FOR HEAVY TASKS

Stronger PVC films and adhesive formulations can handle heavy goods and even difficult cardboard qualities. These packing tapes are therefore ideal for particularly valuable goods, high restoring forces and demanding transportation routes.

		monta 124	monta 260	monta 240
		Robust with extra strong adhesive	Robust and extra tear resistant	Robust & strong
		For heavy cartons, low noise, printable, extra strong adhesive	For heavy to very heavy cartons, low noise, printable	For medium heavy to heavy cartons, low noise, printable
Adhesive		Natural rubber	Natural rubber	Natural rubber
Colour				
Tensile strength	N/25mm	150	220	150
	N/cm	60,3	88,5	60,3
Adhesive strength on steel	cN/25mm	550	500	500
	N/cm	2,2	2	2
Backing	μ	39	59	39

COLOURED PVC TAPES HAVE A NAME: MONTA 250F

monta 250F tapes are ideal for sealing cartons and bags, for colour coding and marking. They score with brilliant colours, a strong backing material and the reliable natural rubber adhesive. Printed, they are an attractive advertising medium and eye-catching messenger. monta 250FS with its bright fluoro-orange colour is particularly striking.



		monta 250F	monta 250FS
		Coloured PVC	Coloured PVC
		For medium heavy to heavy cartons, low noise, printable	For medium heavy to heavy cartons, low noise, printable
Adhesive		Natural rubber	Natural rubber
Colour		● ● ● ● ●	●
Tensile strength	N/25mm	100	100
	N/cm	40,2	40,2
Adhesive strength on steel	cN/25mm	500	500
	N/cm	2	2
Backing	μ	36	36



monta Greenline – sustainable packaging tapes:

Reliable, eco-friendly performance













Product with financial
climate contribution

ClimatePartner.com/16029-2107-1001



monta Greenline is monta's environmentally friendly adhesive tape range. Due to the careful selection of raw materials and their material-saving application, monta Greenline adhesive tapes are more eco-friendly than many conventional self-adhesive tapes. Their core, shipping carton and label are made of recycled raw materials or come from sustainable sources. All monta Greenline adhesive tapes are produced by monta in Germany and can be recognised by the monta Greenline core.

We set ourselves annual energy reduction targets in compliance with DIN EN ISO 50001. As an additional contribution, we calculate the unavoidable CO₂ emissions of our monta Greenline tapes and support climate protection projects that are accredited to international standards in the corresponding amount by financial contribution.

	monta 842/843/852	monta biopack® 860	monta biopack® 860 LG	NEW monta rPET 872	monta rPET 873
	For mono-material packaging solutions with natural optics	90% bio-based* & biodegradable	Visibly Green: communicates its own sustainability	Film from 90% Post Consumer PET Recyclate	Film from 90% Post Consumer PET Recyclate
	For light to medium heavy cartons, low noise, printable, hand-tearable	For medium-heavy to heavy cartons, bag sealing, hand-tearable	For medium-heavy to heavy cartons, bag sealing, hand-tearable	For medium-heavy cartons, low noise, directly printable	For medium-heavy cartons
Adhesive	Natural rubber	Natural rubber	Natural rubber	Natural rubber	Natural rubber
Backing material	Paper	PLA	PLA	90% PCR rPET	90% PCR rPET
Colour	 				
Tensile strength N/25mm N/cm	80 32,2	80 32,2	80 32,2	90 36,2	90 36,2
Adhesive strength on steel cN/25mm N/cm	550 2,2	500 2	500 2	300 1,2	500 2
Backing μ	55 g	30	30	19	19
Sustainability	Paper from sustainable forestry Adhesive tape 62% bio-based*	Industrially compostable, 90% bio-based*  	Industrially compostable, 90% bio-based*  	Preserves fossil resources: PET film from 90% Post Consumer Recyclate	Preserves fossil resources: PET film from 90% Post Consumer Recyclate

monta biopack® is available with individual print! Contact us for details.

*Own calculation, based on dry weight





UNIVERSAL AND VERSATILE: BOPP ADHESIVE TAPES

BOPP adhesive tapes are available with a wide range of product characteristics, including low noise versions, specific heavy-duty solutions, and basic versions for less demanding applications.




ONE FAMILY FOR (ALMOST) EVERYTHING: BOPP WITH NATURAL RUBBER ADHESIVE

BOPP tapes with natural rubber adhesive are designed for carton sealing and are suited for sub-zero applications. They are available in a variety of thicknesses and adhesive formulations, depending on the application. Also ideal for automatic packaging lines.



		monta 331	monta 335	monta 325	monta 3311
		The Classic	The strong brother	The basic version	The high-tack tape
		For sub-zero applications, ideal for automatic packing machines	For sub-zero applications, ideal for automatic packing machines	For sub-zero applications	For sub-zero applications, ideal for automatic packing machines
Adhesive		Natural rubber	Natural rubber	Natural rubber	Natural rubber
Colour					
Tensile strength	N/25mm	100	110	90	100
	N/cm	40,2	44,2	36,2	40,2
Adhesive strength on steel	cN/25mm	500	500	500	700
	N/cm	2	2	2	2,8
Backing	μ	28	31	25	28



	monta 315	monta 310
	The Office Tape!	The basic version
	For medium-heavy to heavy cartons, low noise, easy unwind	For medium-heavy cartons, low noise, easy unwind
Adhesive	Natural rubber	Natural rubber
Colour	 	 
Tensile strength N/25mm	110	100
N/cm	44,2	40,2
Adhesive strength on steel cN/25mm	300	300
N/cm	1,2	1,2
Backing μ	35	31

LOW NOISE BOPP TAPES WITH NATURAL RUBBER ADHESIVE

Our low noise adhesive tapes are perfect for those with sensitive hearing. They are ideal when low noise levels and ergonomic working conditions are a priority. They are pleasantly quiet and easy to apply.

Thanks to their natural rubber adhesive they offer excellent immediate tack and adhesive strength and are great for sealing kraft and test liners. Our top-sellers for office use!

BOPP TAPES FOR TOUGH CASES

The right choice for heavy cartons and packing hazardous materials!



	monta 350	monta 3517	monta 3617
	The heavy-duty tape	For hazardous goods	For hazardous goods
	For very heavy cartons	Longitudinal fibre glass reinforced	Longitudinal and cross-directional fibre glass reinforced
Adhesive	Natural rubber	Hotmelt	Hotmelt
Colour			
Tensile strength N/25mm	170	625	min. 337
N/cm	68,4	251,3	min. 135,5
Adhesive strength on steel cN/25mm	500	1750	1750
N/cm	2	7	7
Backing μ	49	110*	125*

* Total thickness

THE SPECIALISTS FOR STRENGTH & FLEXIBILITY – PET TAPES WITH NATURAL RUBBER ADHESIVE

Our PET adhesive tapes are the perfect choice for applications that require a flexible adhesive tape that performs well under high stress. Used as prematerial for carry handles, tear and self-adhesive strips, PET tapes are also ideal for sealing heavy to very heavy cartons.

	monta 377	monta 370
	For high-end applications For packaging subject to very high stress loads, as prematerial for carry handles	Strength & flexibility combined For tin & carton sealing, as pre-material for tear and self-adhesive strips
	Natural rubber	Natural rubber
Adhesive		
Colour		
Tensile strength N/25mm	150	100
N/cm	60,3	40,2
Adhesive strength on steel cN/25mm	500	500
N/cm	2	2
Backing μ	50	23

	monta 623F
	Makes tampering detectable! Multi-lingual security text
Adhesive	Acrylic
Colour	
Tensile strength N/25 mm	110
N/cm	44,2
Backing μ	23

PET SECURITY TAPE

Protects items against unauthorized access during shipping and makes tampering with the carton easy to detect.



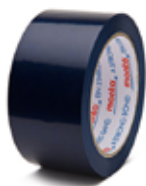
MOPP ADHESIVE TAPES WITH GREAT STABILITY

MOPP adhesive tapes are exceptionally strong, tear-resistant, and nearly indestructible. When specific characteristics are needed for packing, strapping, or bundling large products, such as steel coils or pallets, this is the material to use.

MOPP is ideal for a wide range of industrial and commercial applications thanks to its strong tensile strength and minimal elongation.

		monta 340F	monta 340	monta 343F
		Securing pallets	Prematerial for carry handles	Securing parts and components for shipping, e.g. white goods
		High tensile strength	High tensile strength	Very high tensile strength
Adhesive		Natural rubber	Natural rubber	Natural rubber
Colour		○ ●	●	●
Tensile strength	N/25mm	400	400	450
	N/cm	160,8	160,8	180,9
Adhesive strength on steel	cN/25mm	700	700	700
	N/cm	2,8	2,8	2,8
Backing	μ	55	55	85






monta 256F

Surface protection
for indoor use

Residue-free
removal*

Adhesive	Natural rubber	
Colour		
Tensile strength	N/25mm	100
	N/cm	40,2
Adhesive strength on steel	cN/25mm	300
	N/cm	1,2
Backing	μ	36

*Subject to environmental conditions. To confirm suitability, we highly recommend testing prior to application. Contact us for technical support.

SPLICING TAPES FOR EFFICIENT PROCESSES

THERMOFORMABLE SPLICING TAPE

monta 257F is a splicing tape, developed to withstand the physical stress of the thermoforming process for the production of blister packs. It adheres to polar and non-polar substrates, making it suitable for splicing a wide range of web materials. Its red colour ensures a consistent detection by photo-electric sensors, automatically discarding the non-conformity blister pack that carries the red splicing tape.

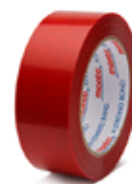
SPLICING TAPE

PVC tapes, such as the coloured monta 250F, are frequently used for splicing applications that do not require thermoforming capacity.

Contact us for more information.

SURFACE PROTECTION


PVC adhesive tapes for surface protection combine a special low-tack natural rubber adhesive with easy application.

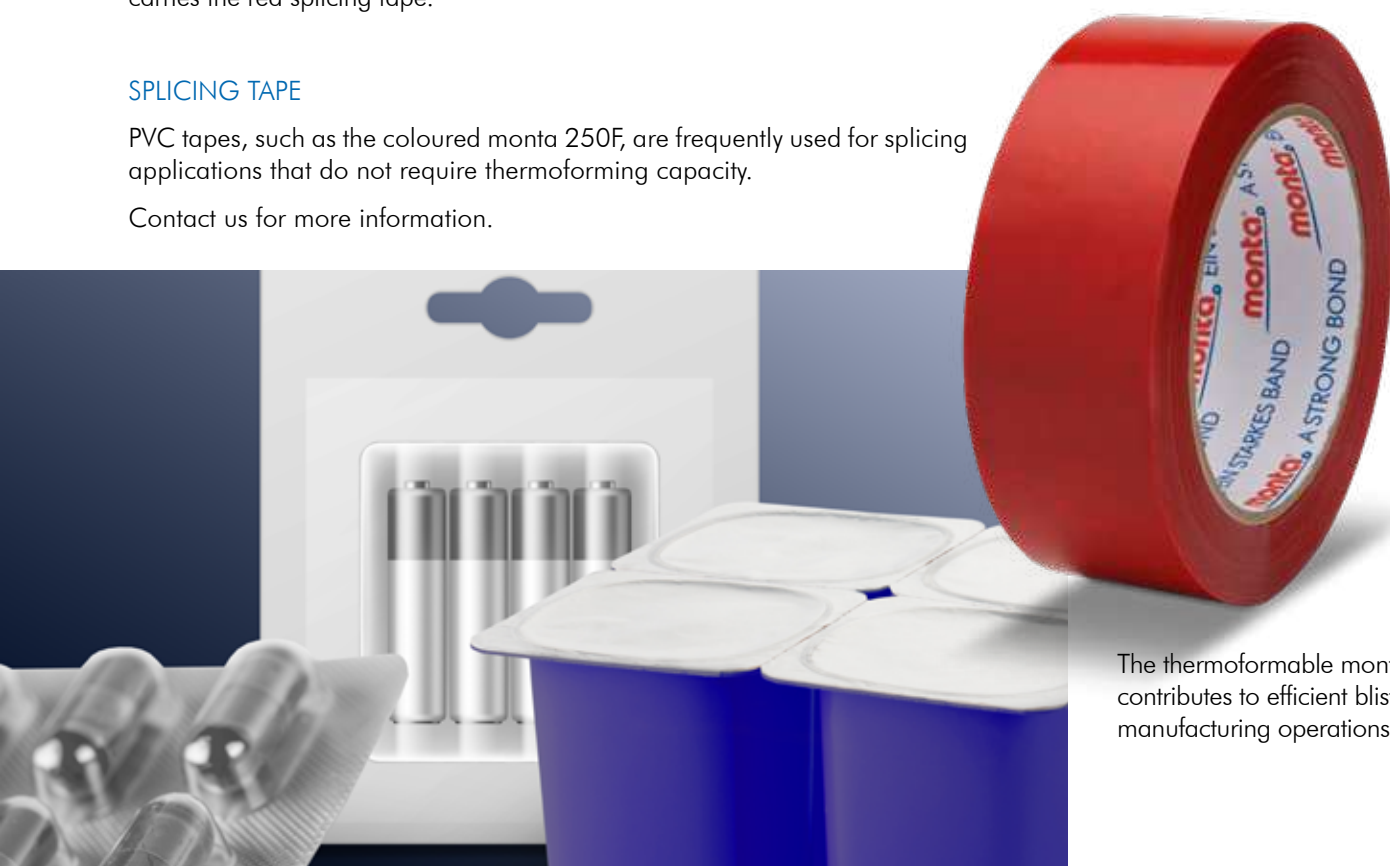


monta 257F

The splice tape

Thermoformable

Adhesive	Natural rubber	
Colour		
Tensile strength	N/25mm	60
	N/cm	24
Adhesive strength on steel	cN/25mm	500
	N/cm	2,0
Backing μ	50	



The thermoformable monta 257F contributes to efficient blister manufacturing operations.

CRITERIA FOR DETERMINING THE MOST SUITABLE PACKAGING TAPE

Choosing the right adhesive tape for the specific application is essential for reliable carton sealing. The matrix below gives you a first indication of which factors you should consider and lists the product features each monta product has to offer. If you have any questions or would like more detailed advice, please contact us: sales@monta.de

- Cardboard/corrugated board quality
- The packed carton's weight
- Use of hand dispenser or automated packer
- Climatic and mechanical stress during transportation
- Special features such as suitability for sub-zero applications
- Printability of the adhesive tape

		Adhesive technology	Backing material	monta product	Low noise	Easy to unwind	For carton weight *	High tensile strength	For challenges (testliner, dusty surfaces...)	Resistance to diluted acids & alkalis	Climatic & mechanical stresses	Printable	Suitabel for sub-zero applications	Application with hand dispenser	Automated packing machine**
Natural rubber	PVC	220/250/281		●		●●●		●	●	●	●		●		○
		283		●		●●		●	●	●	●		●		
		201		●	●●	●●●		●●	●	●	●		●		
		124		●		●●●	●	●●	●	●	●		●		○
		260		●		●●●●	●	●●	●	●	●		●		
		240		●		●●●	●	●	●	●	●		●		
		250F/250FS		●		●●●		●	●	●	●		●		
	PLA	860/860LG				●●●		●	●	●		●	●	●	
		860DP				●●●		●	●	●	●	●	●	●	
	Paper	842/843/852		●	●●	●●		●	●	●	●		●	●	
	rPET	872		●	●	●●●		●	●	●	●	●	●	●	
		873				●●●		●	●	●		●	●	●	
	PET	370			●	●●●	●		●	●			●	●	
		377			●	●●●●	●		●	●			●	●	
	OPP	331			●	●●●		●	●	●		●	●	●	
		335			●	●●●		●	●	●		●	●	●	
		325			●	●●		●	●	●		●	●		
		3311			●	●●●		●	●	●		●	●	●	
		315		●	●	●●●		●	●	●		●	●		
		310		●	●	●●		●	●	●		●	●	●	
		350			●	●●●●	●	●	●	●		●	●		
Hotmelt		3517			●	●●●●	●						●		
		3617			●	●●●●	●						●		

* For carton weight: ● light ●● medium-heavy ●●● heavy ●●●● very heavy

** ○ Subject to packaging machine

CHANGE TO...

... WIDER TAPE

- Overfilled cartons, very heavy cartons
- Very high restoring forces of the carton
- Low height of the cartons
- Cartons open repeatedly

... THICKER/STRONGER CARRIER

- High restoring forces of the cardboard
- Conventional tape tears easily

... A BETTER ADHESIVE SYSTEM

- Tape does not adhere to boxes
- Cartons open during storage
- Climatic challenge (heat/cold)

... INCREASED ADHESIVE THICKNESS

- Difficult surfaces, such as dusty surfaces

... REDUCED ADHESIVE THICKNESS

- Conventional tape adhesion too strong
- Machines with excessive adhesive residue

... ENVIRONMENTALLY FRIENDLY TAPES

- Sustainable tape solution preferred

... FILAMENT-REINFORCED TAPES

- Conventional adhesive tape cannot withstand the load
- Packaging of hazardous goods



WHY MONTA?

- Wide range of high-quality self-adhesive tapes
- Made in Germany – manufactured in the contemporary monta plant in Germany
- Dedicated customer service
- Decades of expertise and in-depth manufacturing expertise
- Sustainable monta Greenline range
- Worldwide distribution
- Certified quality & sustainability
 - DIN EN ISO 9001:2015 Quality Management since 1996
 - DIN EN ISO 14001:2015 Environmental Management since 1996
 - DIN EN ISO 50001:2018 Energy Management since 2015
 - EcoVadis rated since 2020



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