



3/2022

Certifications

Our company is focused on international quality, environmental, and occupational safety standards.

Please find more information regarding our certifications at: www.tesa.com/certifications



Our sustainable packaging tape assortment



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

tesa.com

For a more sustainable future

We help your business to be more sustainable

Outstanding quality for crucial applications

Whether for a light or heavy carton, traveling a short distance by rail, or taking a long journey by ship – our range of packaging tapes meets all the requirements of modern logistics. They facilitate a fast packaging process, protect the shipment, and reinforce the carton closure. But that is not all: as one of the market leaders for packaging tapes, we are well aware of the big contribution that we can make to the environment when developing new products. And this is reflected in our new range of sustainable packaging tapes.

tesa – your packaging tape partner

Secure packaging is the primary requirement to ensure a product reaches its destination intact. It provides protection from a variety of factors en route to the recipient. However, it is not only the cardboard box that is of significance – a huge range of other requirements are also placed on the adhesive tapes holding the box together.

tesa® packaging tapes are the result of decades of experience in the secure sealing of cartons. They have proven their worth millions of times over as a safe solution, under a huge range of different conditions, for the transportation of goods.

Why sustainable tapes will be vital in the future

The debate around packaging pollution has grown significantly in recent years. Increasing concern from regulatory bodies and from the public are currently leading to major changes – in both industrial and consumer packaging. Packaging tapes are also being discussed as a crucial part of the packaging solution, with calls for innovative solutions that better protect our environment growing louder.

As one of the market leaders for packaging tapes, we are very well aware of the big contribution that we can make to the environment when developing new products. We are not

only focusing on becoming a more sustainable company but want to support our customers to become sustainable as well. To do so, we have developed a set of sustainable packaging tapes that will support our customers in meeting their sustainability goals.

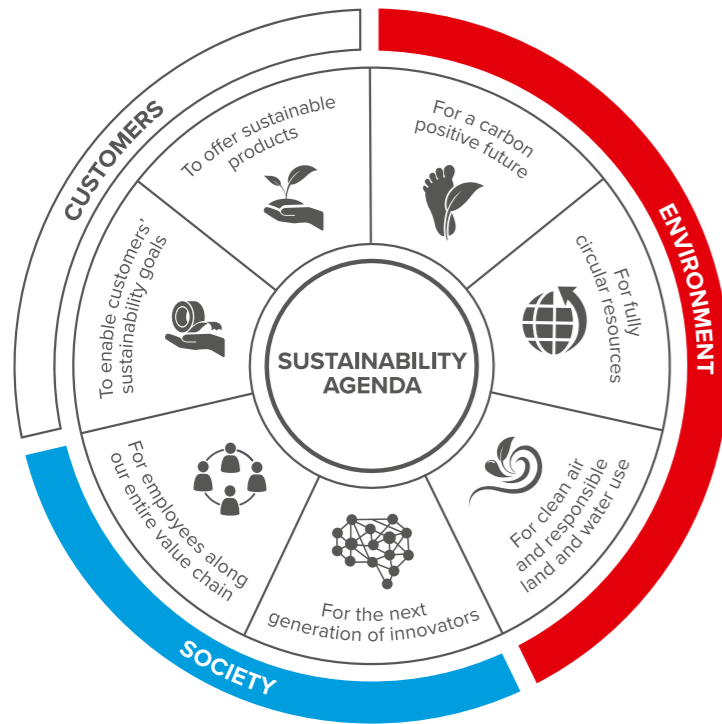
The following pages provide a detailed overview of the current assortment of sustainable packaging tapes and will help you find the right tape for your specific requirement.



Sustainability Agenda

A compass for positive change

As one of the world's leading adhesive technology companies, we at tesa make an important contribution by firmly anchoring sustainability in our core business processes and decisions and by driving equitable growth for the benefit of all stakeholders.



Environment

Contributing to climate protection and the circular economy by reducing our environmental footprint along the product life cycle.

Customers

Expanding our range of sustainable products and enabling customers to meet their sustainability goals.

Society

Ensuring good working conditions for employees along our entire value chain and empowering the next generation of innovators.

Goals and pillars

To meet our commitments, we have defined a set of goals and indicators aligned with our Sustainability Agenda:

Environment

- Reduce absolute energy-related CO₂ emissions by 30% versus 2018 levels
- Purchase solely renewable electricity and switch to clean energy sources for electricity production
- Strive for smarter chemicals
- Achieve zero waste to landfill

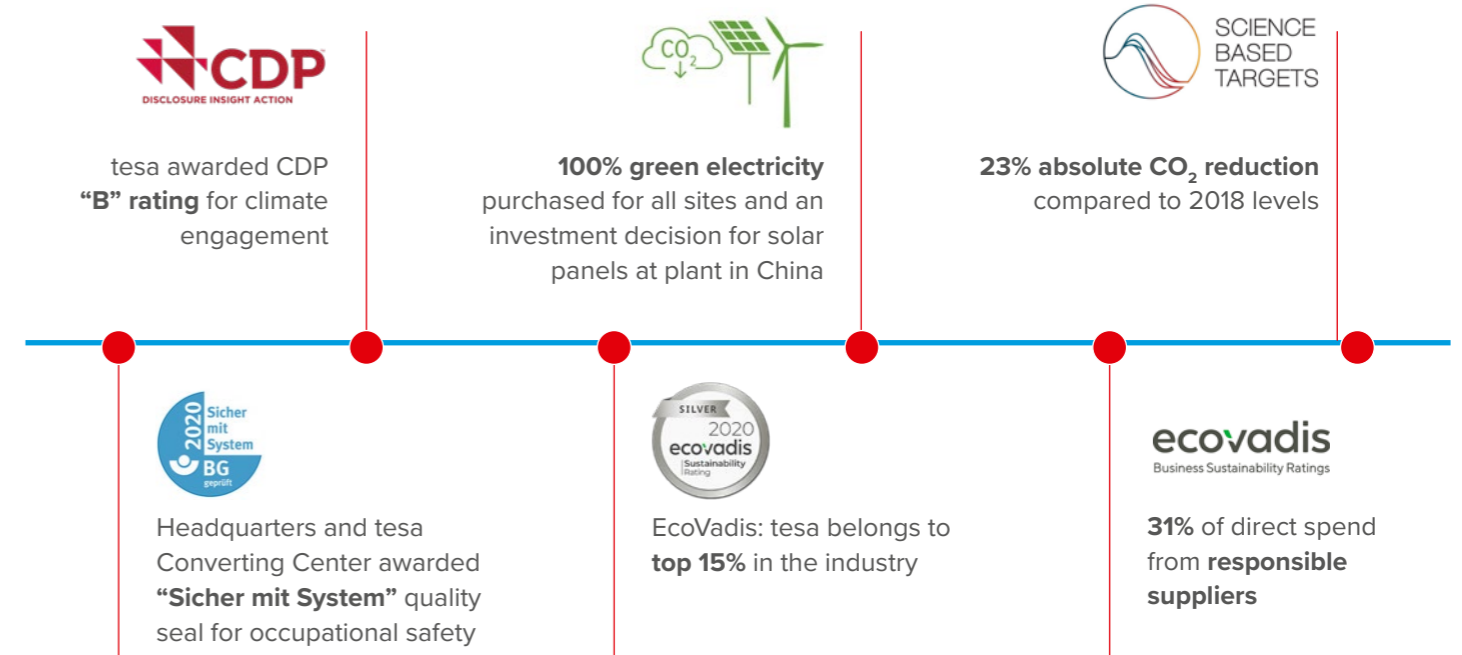
Customers

- Increase sales with sustainable products
- Strive for sustainable packaging
- Increase share of recycled and renewable materials

Society

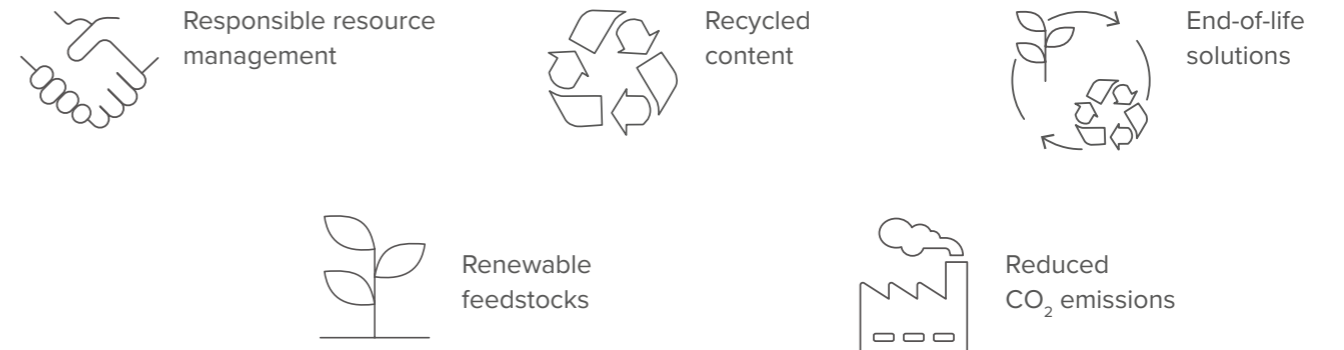
- Source 80% of direct spend from responsible suppliers
- Strive for zero accidents
- Empower young people through education in STEM

A strong track record in 2020



What makes a packaging tape sustainable?

These five criteria are our bases for the development of sustainable packaging tapes:



Want to know more?

To learn more about our Sustainability Agenda, visit our website: www.tesa.com/en/about-tesa/sustainability



Paper packaging tapes

tesa® 4713

Standard Paper Packaging Tape

- Ideal for the sealing of cardboard boxes up to 10 kg
- Good adhesion on different cardboard qualities
- Can be torn by hand
- Suitable for manual and automatic dispensers
- Printable with all types of ink systems



Our offer

- Paper backing made with paper from well-managed FSC™-certified forests and other controlled sources
- Recycling friendly according to INGEDE method 12 (100/100)
- Solvent-free production process

tesa® 4313 PV10 and PV12

Premium Paper Packaging Tape

- Ideal for the sealing of cardboard boxes up to 20 kg
- Very strong adhesion and high initial tack
- Highly resistant to shock impacts
- Can be torn by hand
- Suitable for manual and automatic dispensers
- Printable with all types of ink systems



Our offer

- Paper backing made with paper from well-managed FSC™-certified forests and other controlled sources
- Recycling friendly according to INGEDE method 12 (83/100)
- Solvent-free production process

tesa® 60013

Self-Adhesive Reinforced Paper Tape

- Suitable for heavy-duty packaging applications (>25 kg)
- Excellent adhesion and aggressive tack
- High tensile strength
- Paper backing reinforced with fiberglass scrim
- Tamper-evident seal when removing the tape
- Suitable for manual and automatic dispensers



Our offer

- Recycling friendly according to INGEDE method 12 (75/100)

	tesa® 4713	tesa® 4313 PV10	tesa® 4313 PV12	tesa® 60013
Backing material	FSC™-certified paper	FSC™-certified paper	FSC™-certified paper	Paper
Total thickness	125 µm	107 µm	125 µm	200 µm
Backing thickness	94 µm	95 µm	95 µm	165 µm
Type of adhesive	Natural rubber	Synthetic rubber	Synthetic rubber	Synthetic rubber
Adhesion to steel [N/cm]	2.8	7.5	9.5	>11
Tensile strength [N/cm]	30	60	60	125
Elongation at break	10%	6%	6%	6%
Color	<input type="radio"/> <input checked="" type="radio"/>	<input type="radio"/> <input checked="" type="radio"/>	<input type="radio"/> <input checked="" type="radio"/>	<input checked="" type="radio"/>



Responsible resource management



Renewable feedstocks



End-of-life solutions



Decision matrix

Carton weight	Technical conditions (transport and storage)	Recommendation	Specialties
Light (max. 10 kg)	Standard 0°C–35°C	tesa® 4713 Standard Paper Packaging Tape	
Medium (up to 20 kg)	Standard 0°C–35°C	tesa® 4313 PV10 Premium Paper Packaging Tape	
High (over 20 kg)	Standard 0°C–35°C	tesa® 4313 PV12 Premium Paper Packaging Tape	tesa® 60013 Reinforced Paper Tape



Filmic packaging tapes

tesa® 60400

Bio & Strong

- Ideal for the sealing of cardboard boxes up to 30 kg
- Strong adhesion
- Robust backing material
- Solvent-free production process
- Very good performance on recycled cardboards



Our offer

- Total bio-based carbon content of 98%
- Official certification from DIN CERTCO and TÜV AUSTRIA
- Lower CO₂ emissions compared to other standard packaging tapes
- Solvent-free production process

tesa® 60412

Recycled PET Packaging Tape

- Ideal for the sealing of cardboard boxes up to 30 kg
- Post-consumer recycled (PCR) PET backing material (70% recycled content)
- A strong and very consistent acrylic adhesive
- Low-noise unwind
- Very good performance on recycled cardboards
- Printable with all types of ink systems



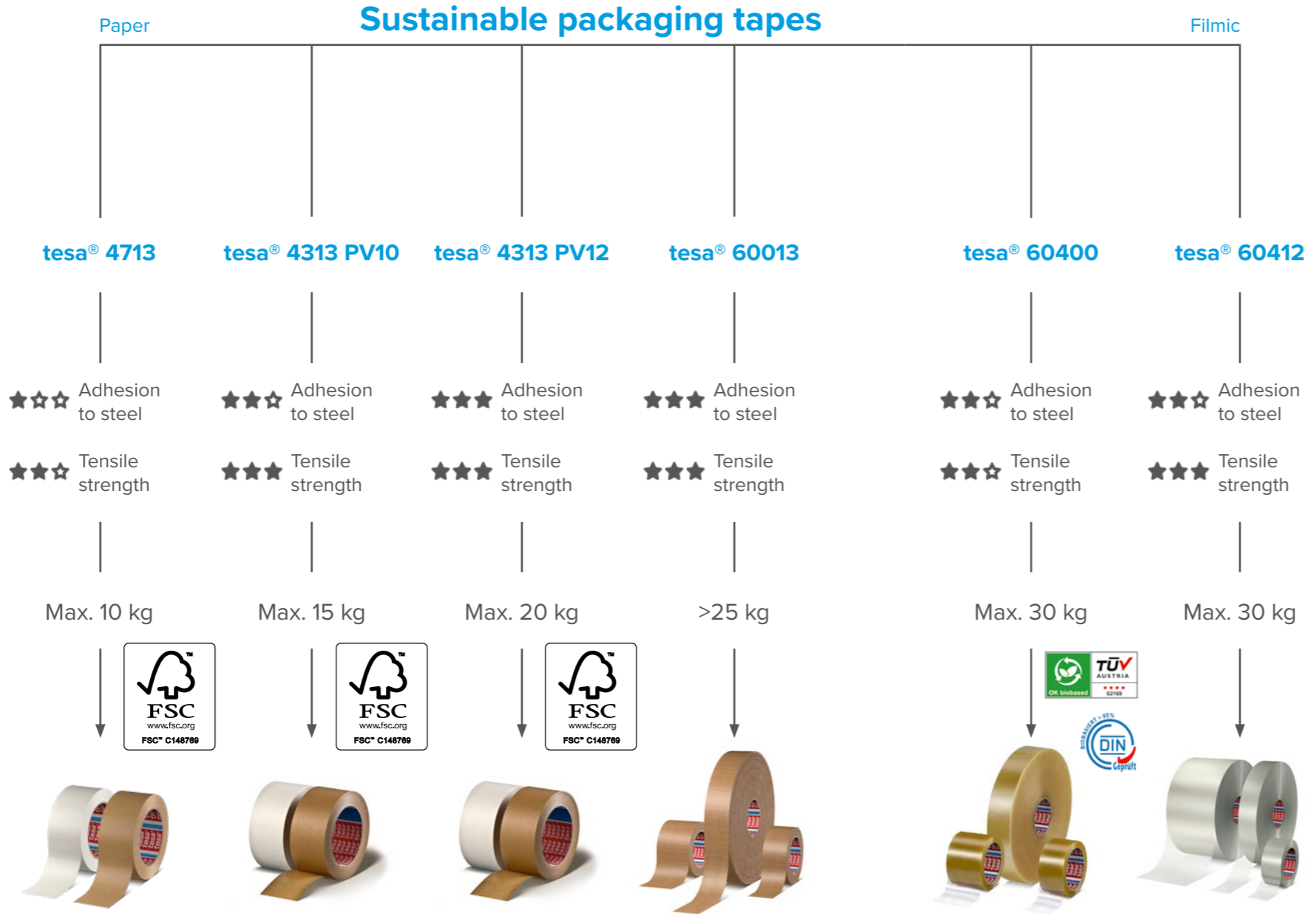
Our offer

- Post-consumer recycled PET (70% recycled content)
- Reduced use of fossil-based resources
- Solvent-free production process


	tesa® 60400	tesa® 60412
Backing material	Poly lactide (PLA)	PCR PET (70%)
Total thickness	55 µm	57 µm
Backing thickness	30 µm	36 µm
Type of adhesive	Natural rubber	wb acrylic
Adhesion to steel [N/cm]	3.5	3*
Tensile strength [N/cm]	30	60*
Elongation at break	185%	120%
Color	⊗	⊗

* Preliminary values.

Sustainable packaging tapes – general overview



Can't find the right solution? If you have not found the right product, please contact us. Together we will find a suitable solution for you. **To learn more about our packaging tapes, visit our website:** www.tesa.com/en/industry/general-applications/packaging



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 stated above 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.