



Product Launch

monta reTec 831  
New life for plastic waste

September 2021







- / The resource saving, sustainable alternative to conventional packaging tapes with natural rubber adhesive
- / Backing film from 100% Post-Industrial recycled BOPP (rPP), without new virgin fossil based raw material
- / Natural rubber adhesive from predominantly renewable resources
- / Technical properties identical to monta 331
- / Made by monta in Germany
- / Carbon neutral adhesive tape

- / High tear strength
- / Excellent immediate tack and adhesion on various surfaces
- / Easy to unwind
- / Resistant to diluted alkalies and acids
- / Temperature resistant: After application at room temperature from approx -30° to approx. +130° C short-term
- / Suitable for cardboard recycling

TECHNICAL DATA	METRIC		IMPERIAL	
Backing	100% Post-Industrial Recyclate (PIR)			
Adhesive	Natural Rubber			
Colour	transparent			
Tensile force	N/25mm N/cm	min. 100 min. 40,2	lb/in	min. 23
Thickness	mm	0,048	mil	1,9
Adhesive strength on steel	cN/25mm N/cm	500 2	oz/in	18,4
Core Diameter	mm	76	in	3

Typical values, for more details refer to TDS

- / Available as hand and machine rolls:
  - / 80 x 50
  - / 1200 x 50
- / On monta Greenline core

	monta 331	monta reTec 831
		
Carrier	BOPP	rBOPP (100% PIR)
Adhesive	Natural rubber	Natural rubber
Total thickness μ	48	48
CO <sub>2</sub> emissions raw materials kg CO <sub>2</sub> / 1.000m <sup>2</sup>	31,0	20,5
CO <sub>2</sub> emissions Total kg CO <sub>2</sub> / 1.000m <sup>2</sup>	131,5	 <b>Climate neutral</b> Product ClimatePartner.com/16029-2107-1001 

## APPLICATIONS

- / Permanent closure of medium heavy to heavy cardboard boxes
- / Bag sealing
- / Manual application in various hand and table dispensers
- / Application in automated packaging lines

## INDUSTRIES/MARKETS

- / Packaging distributors
- / Industry end-users
- / Packaging service providers
- / Manufacturers of organic products
- / „Green“ e-Commerce
- / Stationary suppliers
- / Anyone with sustainable packaging needs

- / *"Does the monta reTec 831 affect the carton recycling process?"* The recycling process is not negatively affected by monta reTec 831 as the adhesive tape is separated during the cardboard recycling process. Well-known paper and cardboard manufacturers as well as disposal service providers have confirmed to us that the cardboard recycling process is trouble-free.
- / *"monta reTec 831 is also made of plastic, so how can it be a "green" product?"* The carrier film consists of 100% raw materials made from production waste, which would be disposed of as waste without this application. Thus, no "virgin" PP granulate has to be used for the production of this post-industrial recyclate (PIR) film.
- / *"Post industrial recyclate is not a true recyclate and is not environmentally friendly."* rPP film is produced from recycled industrial waste that would otherwise be disposed of. As a result, no new fossil raw materials are used in the production of this rPP film, which means that valuable resources are conserved, and CO2 is saved. The raw materials of monta reTec 831 have a 33% reduced CO2 footprint compared to monta 331!
- / *"Paper tape is more sustainable than plastic tape "* monta Greenline paper tapes are made from 65% bio-based raw materials and are a good choice for certain applications. If you need the strength of a plastic-based tape for your application, monta reTec 831 is a sustainable solution.
- / *"Natural rubber adhesive is made with solvents; they are not sustainable."* monta uses a state-of-the-art recovery technology: 98% of the solvents used for production are recovered at the plant and reused there. The disposal of the solvent regenerate is strictly regulated: Through material recycling, after distillation it is used as a recycled raw material in the industry and thus finds new applications.
- / *"monta reTec 831 is just another packaging tape on the market".* monta reTec 831 is produced with 100% PIR recycled film and natural rubber adhesive from mainly renewable raw materials for applications even on more difficult surfaces. It is made in Germany. And it is carbon neutral!

# monta reTec 831

# Marketing Material

- / Press Release
- / Product flyer
- / e-Newsletter ad
- / Product images
- / Label carbon neutral product
- / Technical data sheet
- / Marketing material is available on request from week 36 / 2021



Technical Data Sheet: MONTA RETEC 831  
Stand: 08/2021

monta reTec 831 is a sustainable adhesive tape for multiple applications and ensures the reliable, permanent closure of medium heavy to heavy cartons. Because of the backside coating this adhesive tape is easy to unwind and therefore also ideal for machines. If stored and applied correctly, the adhesive tape sec closure even in deep-freeze conditions.

#### PROPERTIES

- / high tensile strength in longitudinal and cross direction
- / high immediate tack and adhesion on various surfaces
- / easy to unwind
- / resistant to diluted acids and alkalis
- / temperature resistant: after application at room temperature +130°C short term
- / suitable for recycling processes
- / carbon neutral

TECHNICAL DATA	METRIC
Backing	100% Post-Industrial
Adhesive	Natural Rubber
Colour	transparent
Tensile force	N/25mm min
Thickness	mm 0,0
Adhesive strength on steel	cN/25mm 500
Core Diameter	mm 76

The values given are typical values, and do not constitute a specific adhesive tape for the designated application or use.

PACKING  
CLOSING



Climate neutral

Product

ClimatePartner.com/16029-2107-1001



## RETHINKING WASTE, WITHOUT COMPROMISE

Yes, there is more: Instead of discarding waste from polypolypropylene film production, we utilize this valuable resource and give it a new life! With monta reTec 831 we have developed an innovative adhesive tape with a carrier made from post-industrial recycle (PIR). Coated with our reliable natural rubber adhesive, monta reTec 831 is an innovative and resource-saving adhesive tape with optimum technical properties. Do you like monta 331? Then you will love monta reTec 831, offering identical technical performance, with an eco-friendlier backing material. You also satisfy the growing demand for increasing recycled content. Via even go one step further and add 21% more to the roll. Why? Because it needs unnecessary packaging waste. You also boost your efficiency by reducing the number of times you must change the roll. monta reTec 831 is also carbon neutral, since we support certified climate projects to offset unavoidable CO2 emissions. monta reTec 831 - Rethinking sustainability, without compromise.

TECHNICAL DATA	METRIC	IMPERIAL
Backing	400PP - 100% post-industrial recycle (PIR)	
Adhesive	Natural Rubber	
Colour	transparent	
Tensile force	N/25mm min 100	lb/in min 23
Thickness	mm 0,048	mil 1,9
Adhesive strength on steel	cN/25mm 500	oz/in 18,4
Core Diameter	mm 76	in 3

#### PROPERTIES

- Backing: 100 % Post Industrial Recycle (PIR)
- Easy unwinding
- For manual tape dispensers or application in automated packaging lines
- Suitable for deep-freeze areas (after application at room temperature)
- Ideal adhesive strength also on difficult surfaces
- 21 % more tape per roll
- Carbon neutral product



Film made with  
100% PIR polypolypropylene,  
no virgin plastic.



RETHINKING  
WASTE WITHOUT  
COMPROMISE

Monta  
ReTec 831





monta Greenline products meet the following criteria:

- / Sustainable backing material
- / Adhesive made from predominantly (approx. 60%) renewable resources
  - / Natural rubber
  - / Natural resin
- / End-of-life
  - / Industrially compostable and/or
  - / Recycling and/or
  - / Energy recovery
- / Core, label and carton made from recycled material and/or paper from sustainable forestry
- / Made by monta in Germany
- / Carbon neutral adhesive tape





Questions? Contact us!

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