



PAPER & CARDBOARD INDUSTRY

TECHNICAL TAPES FOR SPLICING

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ABOUT NOVACEL

As a 40-year-old worldwide leader in surface solutions, Novacel proposes a comprehensive offer to its customers, ranging from industrial process films to technical tapes and paper products, machines and the associated services.

Novacel continuously focuses on expertise and innovation to provide its customers and partners with the most appropriate recommendations to add value to their materials and to help enhance their industrial efficiency.

Novacel is present in **90 countries** with more than **750 employees** and several production sites worldwide. In line with its 'Beyond the Surface' ethos, Novacel is deeply committed to sustainability and innovation for People and the Planet. Novacel is part of the Chargeurs Group.

NOVACEL'S COMMITMENT TO PEOPLE AND THE PLANET

Novacel's Corporate Social Responsibility Strategy is organized around three pillars:

- **Creating a responsible industrial community**
- **Minimizing our environmental impact**
- **Eco-designing our products**

As a responsible manufacturer, Novacel takes responsibility for the impacts of its decisions and activities on society and the environment. Given this, Novacel promotes operational excellence and staff engagement through regular team upskilling and training. Moreover, through our responsible purchasing charter, we strive to adhere to ethical business practices with our partners. Our employees' approach to their work is governed at all times by the Chargeurs Group's Code of Conduct.

Reducing the environmental impact of our products by innovating right from their initial conception up to their end-of-life and taking care of teams' and customers' health are at the heart of Novacel's CSR Strategy.



In Italy, at our production plant for tapes, we have **reduced our environmental impacts** and the **use of energy resources** by updating the production line and equipment in line with the Best Available Technologies (BAT) and Carbon Footprint regulations. As examples, we use cogeneration and have installed 2000sqm of solar panels.

We are particularly proud of our **safety culture**, which is deeply ingrained in the workforce. Very high levels of investment over the years, in addition to training, have allowed the site to achieve the significant target of 1,500 days without injuries, a benchmark for the sector.



Novacel is certified:



Novacel is a member of AFERA, the European Adhesive Tape Association. As an active member of AFERA, Novacel collaborates with experts and professionals from across Europe to shape the future of the industry.

NOVACEL TAPES: YOUR EXPERT IN ADHESIVE TAPES FOR THE PAPER & CARDBOARD INDUSTRY

The Paper and Cardboard industry plays an essential role in the global economy, providing the basic materials needed to manufacture products ranging from packaging paper to hygiene products and printing materials. Historically rooted in paper-making traditions, it has evolved into a modern, highly technological industry, integrating innovative and sustainable processes to meet growing market demands while preserving natural resources.

The production process in this industry involves joining two reels. This process is technical and meticulous, requiring an adhesive tape to be applied between the two reels, either automatically or manually. Novacel provides you with the right tape solutions for this application, with flexibility, strength and adhesion level adapted to your needs.

Our latest generation of splicing tapes offers even better performance thanks to its improved adhesive, combined with the most reliable product design and a tailor-made assortment for all paper grades. We offer a comprehensive range of Q2 Splice, Single-Sided and Double-Sided tapes, both repulpable and non-repulpable. They enable a rapid splice preparation and offer strong adhesion for a secure splice, as well as heat and shear resistance for a stable production process. Special adhesive formulations and high coating weights guarantee high performance and secure bonds on all paper grades.

WHY USE NOVACEL SOLUTIONS?

> A Global Solution Provider

Novacel offers complete solutions with processing films, technical tapes, paper products, machines and associated services.

> Unique features for your specific needs

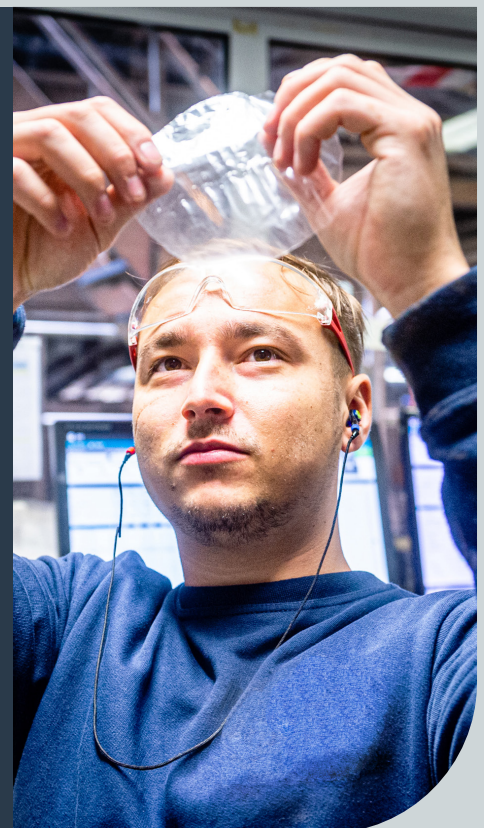
We create innovative solutions to improve your industrial efficiency and ensure the well being of people.

> Expertise & Technical Support

Our teams are dedicated to providing you with the best experience and assisting you from the initial search for the right solution right up to its final implementation.

> A Strong CSR Commitment

Novacel works continuously on its carbon footprint by improving its production, creating eco-responsible solutions and putting human well-being at the heart of its strategy.



— Q2 SPLICE TAPE

Novacel BN 3250 is a Q2-Splice tape dedicated to **automatic splicing processes** in the paper mill and cardboard industries. It provides **enhanced process efficiency and reduced splice failure rates**.

Using Novacel's Q2 Splice is **quick and easy**: we estimate that operators can make a **75% time saving** compared to using traditional adhesive tape. Novacel Q2 Splice is a self-splittable paper carrier that has an adhesive and provides **very high**

instantaneous adhesion on each face and carrier. It ensures **safe closure** as the new reel accelerates. It also **prevents the formation of air pockets** caused by that acceleration and **enables precise opening after contact** with the ending reel.

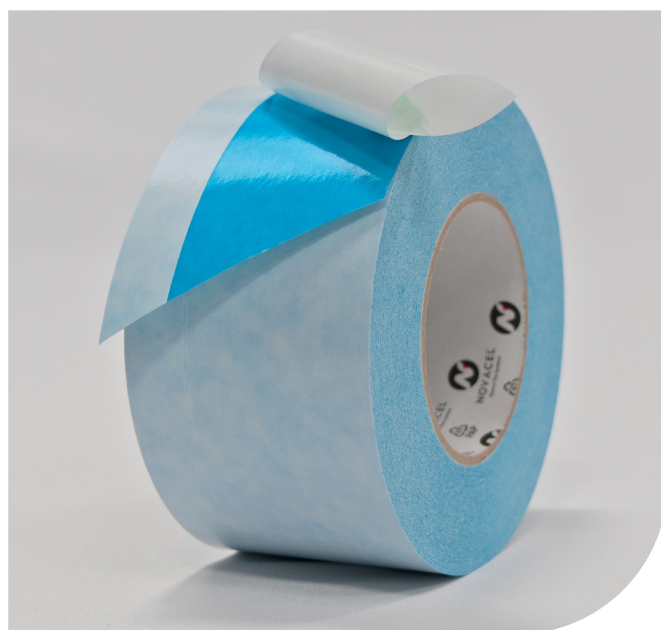
Thanks to Q2 Splice you do not need a fixing label for the reel and you can reduce the numbers of different labels.

Of course, limiting the splicing tail will save on material. You will **reduce wastage!**

NOVACEL ASSETS

Flying splices on different grades of paper in all types of paper producing processes, such as off-line coaters, calender and supercalenders:

- **High tack and good adhesion** on different paper grades
- **High temperature resistance**
- **Low splice thickness**: 110 µm / 4.33 mils
- **Fully repulpable tape** per TAPPI UM 213
- **Very good splitting/separation capability** for smooth, safe roll changes
- **Can be torn by hand**
- **Easy-release** split liner



HOW TO APPLY NOVACEL'S Q2 SPLICE TAPE?

- **1st step**: Apply the tape to the new roll.
- **2nd step**: Remove the narrow liner.
- **3rd step**: Reverse the wind substrate back on itself and apply it to the adhesive part. Then remove the overlapping excess substrate.
- **4th step**: Remove the wide liner from the tape.
- **5th step**: New web material is ready for a flying splice.

The automated flying splice process will continue and the tape will split, allowing new web material to continue through the press and coating process.

Watch our tutorial on our Youtube Channel:



	Description	Color	Carrier/backing	Liner	Adhesive	Total Thickness (µm/mils)	Temperature Resistance
BN 3250	Self-splittable tape for high-speed flying splices on different printing, laminating and coating processes requiring good temperature resistance.	Green	Splittable paper laminate	White siliconized split paper	Repulpable acrylic	110 µm / 4.3 mils	High

— REPULPABLE TAPES

Repulpable tapes are widely used in the paper industry. They are **easy to apply** and their water-soluble properties help reduce broke contamination. The whole range is available in a wide selection of roll sizes to enable you to **minimize waste** and **meet all needs**, such as double-sided tape for flying or permanent splices, single-sided tape for butt splicing and roll closing, or for other applications.

FOR PAPER PRODUCTION SPLICING

- **Single and double-sided repulpable tapes for permanent splices**, butt and overlap, on rereelers or rewinders, will ensure **secure permanent bonding** between two reels of paper.
- **Double-sided repulpable tapes for temporary splices** (static or flying, on off-line coaters, calenders, supercalenders and rewinders) ensure an immediate and secure joint between two reels, while still being **easy to remove** when needed.



NOVACEL ASSETS

For **permanent splices**:

- Very high adhesion
- High shear resistance
- No oozing or bleeding effect
- Printability on the backing

For **temporary splices**:

- Very high tack
- High adhesion
- High temperature resistance (up to 200°C)
- Colored version for easy splice identification

FOR CORE STARTING AND REEL CLOSURE

Novacel's single-sided or double-sided repulpable tapes are the best solutions for secure core start-up and reel closure. They have been formulated to adhere well to the surface, **ensuring that the reel stays in place throughout the production or transportation process**.

NOVACEL ASSETS

- High adhesion level
- Different tensile strengths and thicknesses
- High temperature resistance
- Several colors available
- Splittable paper carrier



Description	Color	Carrier/ backing	Liner	Adhesive	Total Thickness (µm/mils)	Temperature Resistance
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TAPES FOR PAPER PRODUCTION SPLICING

BN 8531	Double-sided repulpable tape for high-speed flying splices on coaters and for temporary splices.	Dark green	Cellulose Nonwoven	White siliconized paper	Repulpable Acrylic	100 µm / 3.9 mils	Good
BN 7000	Double-sided repulpable tape for high-speed flying splices on coaters.	Blue Yellow	Cellulose Nonwoven	White siliconized paper	Repulpable Acrylic	100 µm / 3.9 mils	Good
BN 6364	Double-sided repulpable tape for core starting and for temporary splices on sheeters and supercalenders.	Light blue	Cellulose Nonwoven	White siliconized paper	Repulpable Acrylic	130 µm / 5.1 mils	High
BN 6365	Double-sided repulpable tape for permanent overlap splices on rereelers.	Light green	Cellulose Nonwoven	White siliconized paper	Repulpable Acrylic	100 µm / 3.9 mils	High
BN 6367	Double-sided repulpable tape for permanent overlap splices on rereelers and for reel closure.	Light blue Clear	Cellulose Nonwoven	White siliconized paper	Repulpable Acrylic	100 µm / 3.9 mils	High
BN 6366	Double-sided PET silicone adhesive tape for splicing in coating and lamination processes; also for splicing siliconized papers.	Light blue	Paper tissue	White siliconized paper	Repulpable Acrylic	60 µm / 2.3 mils	High
BN 6368	Double-sided repulpable tape for permanent overlap splices on rereelers; specially designed for tissue, cigarette, and very light uncoated papers.	Light blue Red printed Black printed	Paper	White siliconized paper, slit liner available	Repulpable Acrylic	120 µm / 4.7 mils	High
BN 6368 Thin	Single-sided printable repulpable tape for permanent butt splices on rewinders; also available in a die-cut version.	Light blue Red printed Black printed	Paper	White siliconized paper, slit liner available	Repulpable Acrylic	80 µm / 3.1 mils	High
BN 6369	Single-sided printable repulpable tape for taping down the leading and trailing paper edges on overlap splices and to cover the exposed adhesive of all butt splices; also available in a die-cutted version.	Light blue	Paper tissue	White siliconized paper, slit liner available	Repulpable Acrylic	60 µm / 2.3 mils	High

Description	Color	Carrier	Adhesive	Total Thickness (µm/mils)	Tensile Strength MD (daN/cm)	Temperature Resistance
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TAPES FOR CORE STARTING AND REEL CLOSURE

BN 6383	Thick single-sided repulpable tape for reel closure, temporary splices on rereelers and paper feeding on coaters.	White blue	Siliconized semi-extensible paper	Repulpable Acrylic	200 µm / 7.8 mils	8.5	Good
BN 9373	Single-sided repulpable tape for reel closure, core starting and temporary butt splices on rereelers.	White blue kraft	Siliconized semi-extensible paper	Repulpable Acrylic	160 µm / 6.2 mils	5.5	Good
BN 9371	Single-sided repulpable tape for reel closure, core starting and temporary butt splices on rereelers.	White	Siliconized semi-extensible paper	Repulpable Acrylic	120 µm / 4.7 mils	5	Good
BN 6375	Single-sided repulpable tape for reel closure and temporary butt splices on rereelers and rewinders.	White	Siliconized paper	Repulpable Acrylic	90 µm / 3.5 mils	4	Good
BN 6361	Double-sided repulpable tape with splittable paper carrier for core starting and reel closure applications.	White	Siliconized paper	Repulpable Acrylic	190 µm / 7.4 mils	/	High

— NON-REPULPABLE DOUBLE-SIDED TAPES



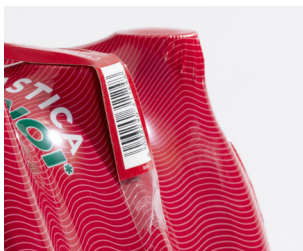
Novacel also provides **non-repulpable double-sided tapes** dedicated to different **splicing applications** in the cardboard industry. These tapes are available with TNT and PET carriers and acrylic adhesives for automatic and manual splicing processes. They are **robust, double-sided adhesive solutions** for bonding two reels swiftly and cleanly.

NOVACEL ASSETS

- High tack level for an immediate "grab"
- Very good adhesion level
- Very high temperature resistance

	Description	Color	Carrier/backing	Liner	Adhesive	Total Thickness (µm/mils)	Temperature Resistance
BN 21000	High-performance double-sided TNT tape for all splicing, holding and laminating operations in the cardboard and paper industries. Also suitable for irregular surfaces of non-polar materials.	White	Non-woven	White Silico-nized Paper	Acrylic	160 µm / 6.2 mils	High
BN 20900	Double-sided TNT tape for all splicing, holding and laminating operations in the cardboard and paper industries.	White	Non-woven	White Silico-nized Paper	Acrylic	130 µm / 5.1 mils	High
BN 20700	Double-sided TNT tape for all splicing, holding and laminating operations in the cardboard and paper industries.	White	Non-woven	White Silico-nized Paper	Acrylic	90 µm / 3.5 mils	High
BN 811	Double-sided PET tape for all splicing, holding and laminating operations in the cardboard and paper industries. High adhesion level and high temperature resistance.	Clear	Polyester	White Silico-nized Paper	Acrylic	90 µm / 3.5 mils	High

— PACKAGING & HANDLE TAPES



At the end of its manufacturing processes, the paper and cardboard industry needs **safe, robust packaging** to deliver its products safely and in good condition to its customers. That's why Novacel has a dedicated **range of packaging and handle tapes**. Those tapes are used for carton sealing and carry-handle applications.

NOVACEL ASSETS

- High adhesion level
- High tack level
- Long lengths available, up to 7000m
- Pre or post-shrinkage application

	Description	Color	Carrier/backing	Liner	Total Thickness (µm/mils)	Tensile strength (daN/cm)
BN 6220	Packaging paper tape for manual and automatic use for carton sealing applications.	Kraft	Semi-Crepe Paper	Natural Rubber Based	130 µm / 5.1 mils	3
BN 6482HM	Handling system for plastic or carton packages, tissue paper rolls; post-shrinkage application.	Clear	Mono-Oriented Polypropylene	Synthetic Rubber Based	65 µm / 2.5 mils	15
BN 6494	Handling system for plastic or carton packages and tissue paper rolls; pre-shrinkage application.	Clear	Polyester	Natural Rubber Based	75 µm / 2.9 mils	8,4

NOVACEL SERVICES TO EASE YOUR BUSINESS

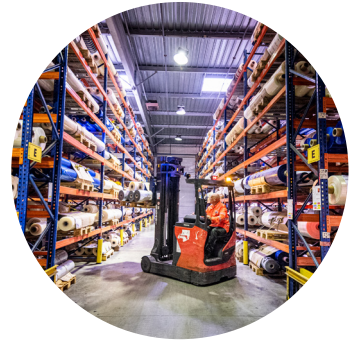


PRODUCT RECOMMENDATION

Benefit from Novacel expertise: choose the best solution for your materials and substrates, make your processes even more efficient and your carbon impact even smaller. A whole team is dedicated to product recommendations to make sure your expectations are satisfied more effectively, and this applies in all four corners of the world.

PRODUCT CUSTOMIZATION

Thanks to our many distribution partners worldwide, we can deliver our solutions anywhere on the planet. Thanks to our network of distributors, we are able to deliver products ready for widening as close as possible to our customers. Dedicated experts are available at all our locations to support you.

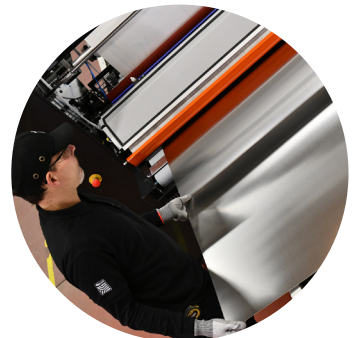


PACKAGING CUSTOMIZATION

Novacel is keen to ensure that you receive our products in the condition in which they left our site. With this objective in mind, we pay close attention to the packaging of our products. Adapting them to perfectly match the required conditions, we handle every stage in delivery: road, maritime, air transportation or special storage, using the right packaging to meet all safety standards. If you have a specific request, contact us and we will look into it with you.

TECHNICAL SUPPORT

In order to help you enhance the quality of your products, a dedicated team at Novacel will do everything in their power to assist you. Our team of experts is available at all times to respond to your queries and requests and help you define the best solution right up to final implementation, including determination of the adjustment settings for your application machinery.



CUSTOMER PORTAL

Need to get information outside of working hours? Go online to our new customer portal www.my.novacel.world and review all your account activities online with just a few clicks*: detailed Novacel order history, order status, product info, requests, bills.

*for direct customers only

For more information or any request, please contact us:
contact@novacel-solutions.com

FIND YOUR MATCH

A formal approval process by Novacel experts is imperative before using our products. Our technical data sheets are available on request. Since the applications of NOVACEL tapes are very wide-ranging and the conditions of use may vary from one company to another, NOVACEL recommends that you systematically carry out qualification tests on an industrial line before using the product and that you inform Novacel of the results.

Description	Color	Carrier/backing	Liner	Adhesive	Total Thickness (µm/mils)	Temperature resistance
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Q2 SPLICE

BN 3250	Self-splittable tape for high speed flying splices in different printing, laminating and coating processes requiring good temperature resistance.	Green	Splittable paper laminate	White siliconized split paper	Repulpable acrylic	110 µm / 4.3 mils	High
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TAPES FOR PAPER PRODUCTION SPLICING

BN 8531	Double-sided repulpable tape for high-speed flying splices on coaters; also for temporary splices.	Dark green	Cellulose Nonwoven	White siliconized paper	Repulpable Acrylic	100 µm / 3.9 mils	Good
BN 7000	Double-sided repulpable tape for high-speed flying splices on coaters.	Blue Yellow	Cellulose Nonwoven	White siliconized paper	Repulpable Acrylic	100 µm / 3.9 mils	Good
BN 6364	Double-sided repulpable tape for core starting and for temporary splices on sheeters and supercalenders.	Light blue	Cellulose Nonwoven	White siliconized paper	Repulpable Acrylic	130 µm / 5.1 mils	High
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BN 6368 Thin	Single-sided printable repulpable tape for permanent butt splices on rewinders; also available in a die-cut version.	Light blue, Red printed, Black printed	Paper	White siliconized paper, slit liner available	Repulpable Acrylic	80 µm / 3.1 mils	High
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BN 6361	Double-sided repulpable tape with a splittable paper carrier for core starting and reel closure applications.	White	Siliconized paper	Repulpable Acrylic	190 µm / 7.4 mils	/	High

Description	Color	Carrier/backing	Liner	Adhesive	Total Thickness (µm/mils)	Temperature Resistance
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NON-REPULPABLE DOUBLE-SIDED TAPES

BN 21000	High-performance double-sided TNT tape for all splicing, holding and laminating operations in cardboard and paper industries. Also suitable for irregular surfaces of non-polar materials.	White	Non-woven	White Silico-nized Paper	Acrylic	160 µm / 6.2 mils	High
BN 20900	Double-sided TNT tape for all splicing, holding and laminating operations in the cardboard and paper industries.	White	Non-woven	White Silico-nized Paper	Acrylic	130 µm / 5.1 mils	High
BN 20700	Double-sided TNT tape for all splicing, holding and laminating operations in cardboard and paper industries.	White	Non-woven	White Silico-nized Paper	Acrylic	90 µm / 3.5 mils	High
BN 811	Double-sided PET tape for all splicing, holding and laminating operations in the cardboard and paper industries. High adhesion level and high temperature resistance.	Clear	Polyester	White Silico-nized Paper	Acrylic	90 µm / 3.5 mils	High

Description	Color	Carrier/backing	Liner	Total Thickness (µm/mils)	Tensile strength (daN/cm)
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For more grades or information, please consult your sales representative.



www.novacel-solutions.com

