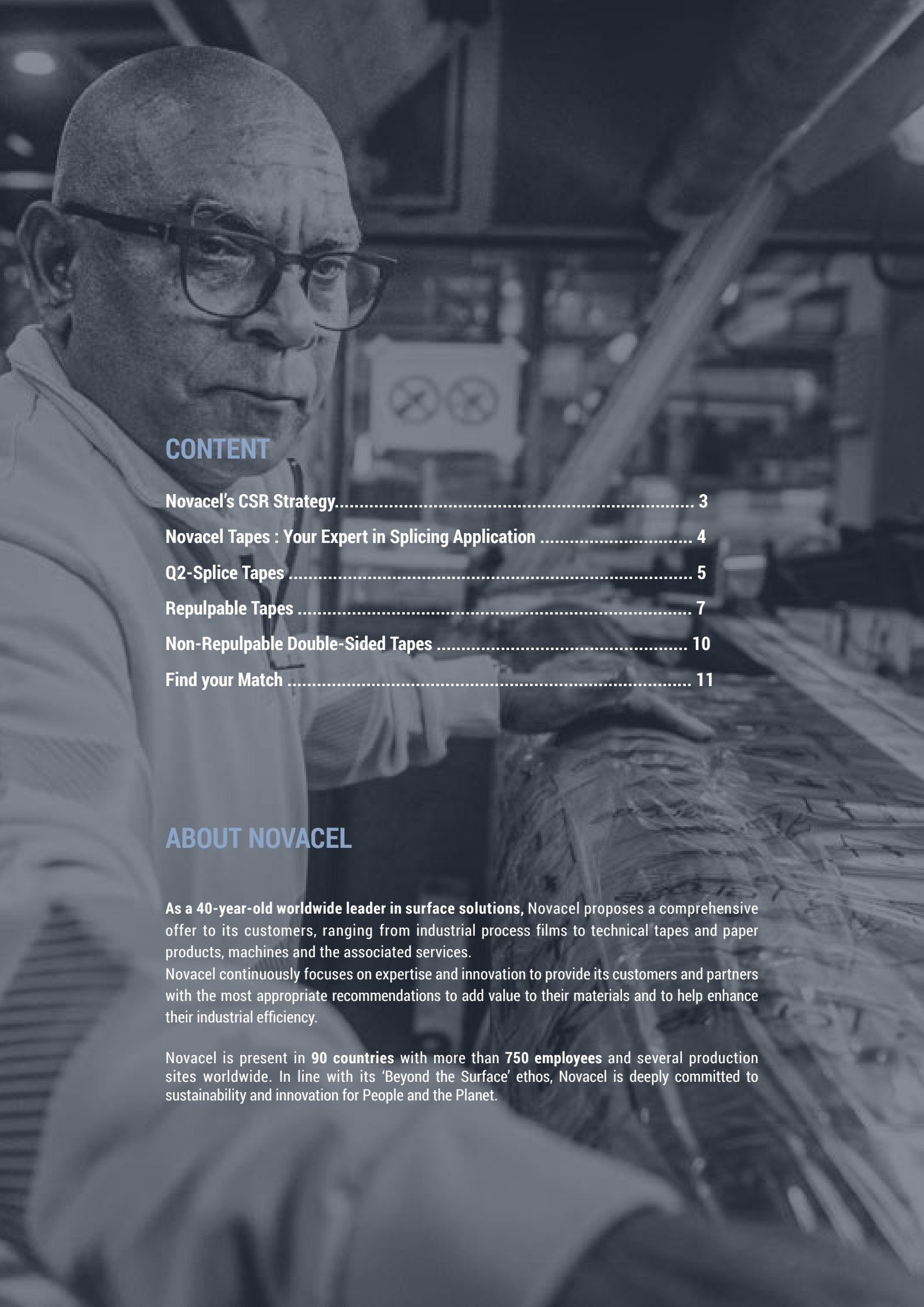




PAPER & CARDBOARD INDUSTRY

TECHNICAL TAPES FOR SPLICING





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ABOUT NOVACEL

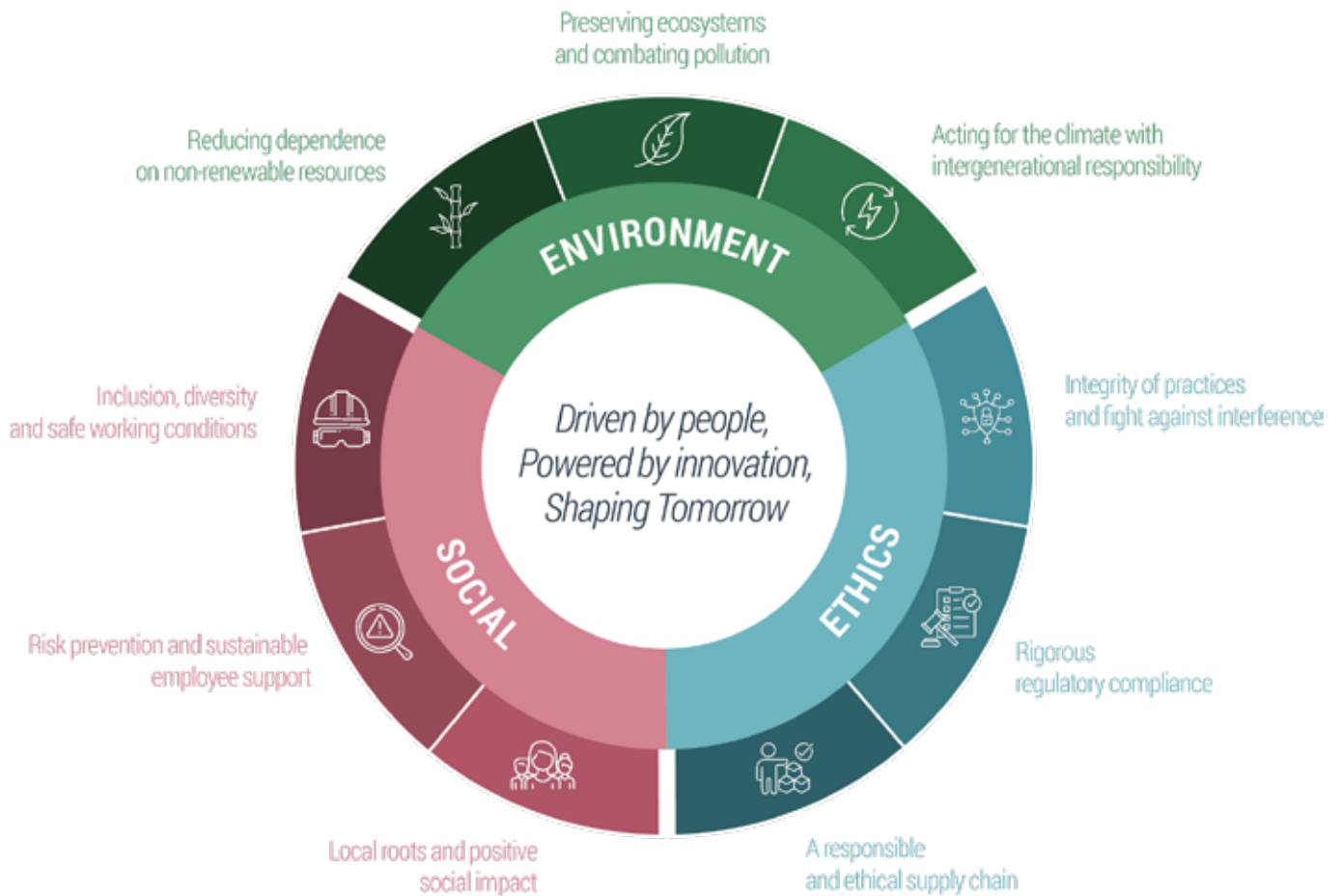
As a 40-year-old worldwide leader in surface solutions, Novacel proposes a comprehensive offer to its customers, ranging from industrial process films to technical tapes and paper products, machines and the associated services.

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'S CSR STRATEGY

Novacel Corporate Social Responsibility approach is based on three pillars that guide our commitments: the Environment, our Social impact and our Ethics. For each pillar, Novacel is committed to achieving several objectives through the implementation of practical and concrete actions.





— NOVACEL TAPES: YOUR EXPERT FOR SPLICING APPLICATIONS

Novacel Tapes specializes in the **production and conversion of high-performance technical adhesive tapes** and has been operating on the global market for over 30 years. Our team of engineers and researchers is expert in formulating and mixing adhesives, including solvent-based, acrylic, silicone, and water-based, as well as coating and converting. Our technical adhesive solutions have a multitude of applications, including splicing, sealing, fixing, mounting, processing, strapping and masking.

For many years, Novacel Tapes have been **trusted for splicing solutions in the paper production, converting and printing industries**. Our latest generation of splicing tapes provides even better performance thanks to their improved adhesive, combined with the most reliable product design and a tailor-made range for all substrates. Our product range includes a complete selection of splicing tapes for both manual and automatic splices, even at high-speed, and process tapes to cover every stage of production.

Novacel is a **long-standing partner in the paper and cardboard manufacturing industry**. Our high-quality adhesive tape solutions are recognised and used globally for static and flying splicing on coaters, calenders, re-reelers, sheeters and slit winders, as well as for core starting and end tabbing applications. We offer a comprehensive range of Q2-Splice, double-sided and single-sided tapes, both repulpable and non-repulpable, as well as FDA-compliant solutions.

Our splicing solutions enable **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 excellent performance and secure bonds on all paper grades.

Novacel provides the right tape solutions for splicing applications, with flexibility, strength, and adhesion levels adapted to your needs. Our experienced technical experts in the field will be glad to recommend the right product solution for your individual challenge.



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.

— 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 save **75% of their time** 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, calenders and supercalenders:

- **High tack and good adhesion** on different paper grades
- **High temperature resistance**
- **Low splice thickness**
- **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



Product	Suitable for:	Main features	Carrier	Color	Adhesive	Splice thickness (µm/mils)	Tack	T° resistance
BN 3250	• Very high speed flying splices on paper • Laminating and converting processes • Coaters and calanders in the paper mill industry	• High tack • High temperature resistance • Fully repulpable adhesive tape • FDA compliant	Paper		Water soluble acrylic	110 / 4.3		



SPEED-UP PRODUCTION



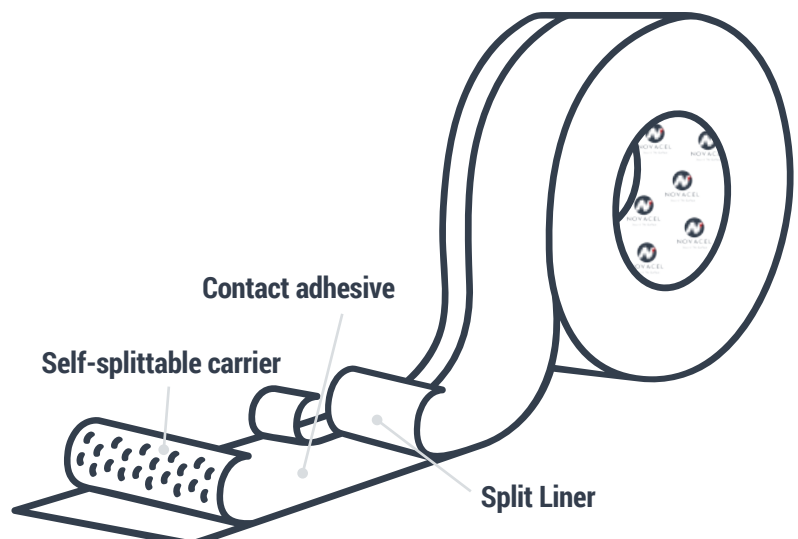
TIME SAVING



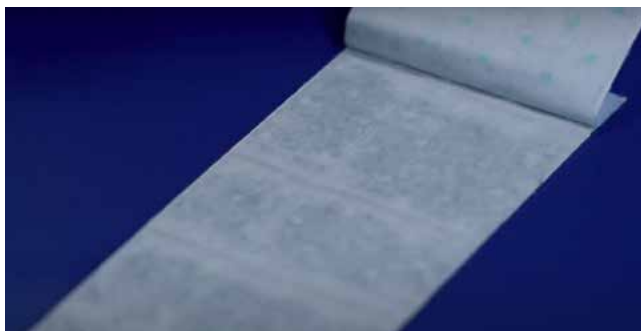
WASTE REDUCTION



COST SAVING



QUICK AND EASY APPLICATION OF NOVACEL Q2-SPLICE



◀ 1. CHECK THE TAPE ROLL

Check that the roll is intact. The carrier should not be pre-splitted at the beginning of the roll (no exposed adhesive). In case of pre-separation, just peel the top layer from the roll until it is back together with the bottom layer. Cut the splitted part off from the roll.



◀ 2. APPLY THE TAPE ON THE NEW ROLL

Apply the tape under the top layer of the reel. The narrow section of the split liner should be on the bottom. Always use a squeegee to ensure a secure bond across the width of the roll, avoiding premature opening of the tape. For optimal performance leave a gap from the right and left edges to avoid exposed adhesive. For higher machine speeds use a tape in a wide width.



◀ 3. REMOVE THE NARROW PART OF THE LINER

Remove the liner with your fingers or a metal tool. To remove the lower liner start about 1 cm from the reel edge and from the center of the tape width. Peel the liner off using a downward motion.



◀ 4. APPLY THE TOP LAYER OF THE NEW REEL

Attach the top layer onto the exposed adhesive part of the tape. To avoid air pockets and damage to the web, use a squeegee for best adhesion and trim the paper edges on both sides of the tape. Remove the overlapping excess substrate.



◀ 5. REMOVE THE WIDE PART OF THE LINER

Before accelerating the reel to complete the splice, remove carefully the lower part of the liner. After the liner is removed, proceed with the splice to avoid dust that might negatively influence the adhesive performance. Furthermore, do not cover the contact adhesive with extra tape or glue.

— 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 full range is available in a wide selection of roll sizes to help you **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



NOVACEL SINGLE-SIDED REPULPABLE TAPES

Product	Suitable for	Main features	Backing	Color	Liner	Splice thickness (µm/mils)	Tensile strength (daN/cm)	T° resistance
BN 6368	Permanent butt splicing on re-winders and re-reelers	- Printable backing - Easy to apply - No adhesive bleeding over time - Also available as die-cut butterfly tabs - Also available with slit-liner	Paper		Repulpable white siliconised paper	110 4.3	2 CD	
BN 6568	- Permanent butt splicing on re-winders and re-reelers - Neutral paper grades	- Printable backing - Easy to apply - No adhesive bleeding over time	Paper		Repulpable white siliconised paper	110 4.3	2 MD	
BN 6368 THIN	- Permanent butt splicing on calenders/supercalenders, re-winders and re-reelers - Covered overlapped splice - Thin light weight papers (SC/LWC paper)	- Printable backing - Easy to apply - No adhesive bleeding over time - Also available as die-cut butterfly tabs - Also available with slit-liner	Paper		Repulpable white siliconised paper	70 2.7	1.4 MD	
BN 6568 THIN	- Permanent butt splicing on calenders/supercalenders, re-winders and re-reelers - Covered overlapped splice - Thin light weight papers (SC/LWC paper) - Neutral paper grades	- Thin paper backing - Printable backing - Easy to apply - No adhesive bleeding over time	Paper		Repulpable white siliconised paper	70 2.7	1.4 MD	
BN 6369	- Covered butt splicing on calenders/supercalenders, re-winders and re-reelers - Covered overlapped splice - Thin light weight papers (SC/LWC paper)	- Thin paper backing - Printable backing - Easy to apply - No adhesive bleeding over time	Tissue paper		Repulpable white siliconised paper	50 2.0	1.9 CD	
BN 6383	- Temporary butt splicing - Core starting - Reel closing - Paper feeding into coaters	- High thickness paper backing - Very good conformability - High cohesion adhesive - Very high tensile strength - Very high edge tear resistance - FDA compliant	Silicone-coated semi-extensible paper		-	190 7.5	8 MD	
BN 9373	- Temporary butt splicing on re-reelers - Core starting - Reel closing - Medium and high weight coated and uncoated papers	- Very good conformability - High tack adhesive - High tensile strength - FDA compliant	Silicone-coated semi-extensible paper		-	160 6.3	5.5 MD	
BN 9371	- Temporary butt splicing on re-reelers - Core starting - Reel closing - Light and medium weight coated and uncoated papers	- Very good conformability - High tack adhesive - FDA compliant	Silicone-coated semi-extensible paper		-	115 4.5	5 MD	
BN 9361	- Temporary butt splicing on re-reelers - Core starting - Reel closing - Light and medium weight coated and uncoated papers	- Very good conformability - High tack adhesive - FDA compliant	Silicone-coated semi-extensible paper		-	100 3.9	5 MD	
BN 6375	- Temporary butt splicing - Core starting - Reel closing	- High tack adhesive - Easy to apply - FDA compliant	Silicone-coated paper		-	90 3.5	4 MD	

NOVACEL DOUBLE-SIDED REPULPABLE TAPES

Product	Suitable for	Main features	Carrier	Color	Total thickness (µm mil)	Liner	Tack	T° resistance
BN 6361	- Core starting - Roll closing	- Splittable carrier - High tack and cohesion adhesive	Splittable paper		190 7.5	Repulpable white siliconised paper		
BN 6362	- Core starting - Roll closing - Automatic applications	- Paper carrier - High tack and cohesion adhesive - FDA compliant	Paper		150 5.9	Repulpable white siliconised paper		
BN 6366	- Permanent overlapped splices on re-reelers - Very light weight uncoated papers, tissue and cigarette papers	- Thin carrier - High cohesion adhesive - No adhesive bleeding over time	Paper		75 2.9	Repulpable white siliconised paper		
BN 6364	- Temporary splices on sheeters and supercalenders - Core starting - Coated and uncoated heavy weight papers	High tack and cohesion adhesive	Cellulose non-woven		115 4.5	Repulpable white siliconised paper		
BN 6367	- Permanent and temporary overlapped splices on re-reelers - Coated and uncoated medium weight papers	- High cohesion adhesive - No adhesive bleeding over time	Cellulose non-woven		90 3.5	Repulpable white siliconised paper		
BN 7000	High speed flying splices on coaters	Very high tack adhesive	Cellulose non-woven		100 3.9	Repulpable white siliconised paper		
BN 7080	High speed flying splices on coaters	- Low thickness tape - High tack adhesive	Cellulose non-woven		80 3.1	Repulpable white siliconised paper		
BN 8531	- High speed flying splices on coaters - Temporary splices	- Very high tack adhesive - High cohesion adhesive	Cellulose non-woven		100 3.9	Repulpable white siliconised paper		
BN 10365	- Permanent and temporary overlapped splices on re-reelers - Coated and uncoated medium weight papers	- High cohesion adhesive - FDA compliant	Cellulose non-woven		90 3.5	Repulpable white siliconised paper		



— 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



Product	Suitable for	Main features	Carrier	Colour	Adhesive	Liner	Total thickness (µm/mil)	Tack	T° resistance
BN 811	• Flying/Static splices on paper and cardboard • Coating and lamination processes	• Versatile splicing tape • High tack • High temperature resistance • High conformability	PET		Acrylic	White siliconized paper	90 3.5		
BN 20700	• Flying/Static splices on paper and cardboard • Printing and lamination processes • Core starting and reel closing	• Versatile splicing tape • High tack • High temperature resistance • High conformability • Hand-tearable	Non-woven		Acrylic	White siliconized paper	85 3.3		
BN 20900	• Flying/Static splices on paper and cardboard • Heavy paper and corrugated board • Printing and lamination processes • Core starting and reel closing	• Versatile splicing tape • High tack • High temperature resistance • High conformability • Hand-tearable	Non-woven		Acrylic	White siliconized paper	125 4.9		
BN 21000	• Flying/Static splices on paper and cardboard • Irregular surface and LSE materials • Printing and lamination processes	• Versatile splicing tape • High tack • High temperature resistance • High conformability • Hand-tearable	Non-woven		Acrylic	White siliconized paper	160 6.3		

— FIND YOUR MATCH

	High-speed flying splicing	Lower-speed flying splicing	Permanent static splicing	Temporary static splicing	Core starting	End tabbing
NOVACEL Q2-SPLICE TAPES <i>Q-Splice</i>						
BN 3250	●					
NOVACEL DOUBLE-SIDED REPULPABLE TAPES						
BN 6361					●	●
BN 6362					●	●
BN 6366		●	●			
BN 6364		●		●	●	
BN 6367		●	●	●		
BN 7000	●					
BN 7080	●		●			
BN 8531	●			●		
BN 10365		●	●	●		
NOVACEL SINGLE-SIDED REPULPABLE TAPES						
BN 6368			●			
BN 6368 THIN			●			
BN 6568			●			
BN 6568 THIN			●			
BN 6369			●			
BN 6383				●	●	●
BN 9371				●	●	●
BN 9373				●	●	●
BN 9361				●	●	●
BN 6375				●	●	●
NOVACEL NON-REPULPABLE TAPES						
BN 811		●		●		
BN 20700		●		●	●	●
BN 20900		●		●	●	●
BN 21000		●		●	●	

A formal approval process by Novacel experts is imperative before using our products. Our technical data sheets are available on request.

Due to the very wide range of applications of Novacel tapes, in addition to major variation in use conditions between companies, Novacel recommends that you systematically carry out qualification tests on an industrial line before using the product, informing us of the results.



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