



# Printable Repulpable Single-Coated Splicing Tape

## 9103

Technical Data

January, 1996

**Product Description** A dark blue kraft paper backing coated with a blue, repulpable adhesive on an easy-release silicone liner.

Construction	Backing	Adhesive	Liner	Color	Roll Length
	33 lb./3000 ft. <sup>2</sup> (53 g/m <sup>2</sup> ) repulpable bleached kraft	Blue, repulpable	Semi-bleached kraft paper with a one side, easy-release treatment, repulpable	Dark blue backing	60 yds. (55 m)

### Typical Physical Properties and Performance Characteristics

**Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.**

Repulpability:	Tape – Completely* Liner – Completely*
Tensile Strength:	Machine direction – 22 lbs./in. (385 N/100 mm) Cross direction – 13 lbs./in. (228 N/100 mm)
Tape Thickness:	4.5 mils (.11 mm)
Bonding Strength:	Delaminates most papers (ideal for LWC coating formulations, adheres well to many other papers too).
Heat Resistance:	Excellent to 400°F (204°C) web temperature

\*Repulpability judged according to TAPPI UM-213, Procedure A. It is important to follow the weight and quantity measurements for the fiber, splicing tape and water. Non-representative results can occur if test guidelines are not followed.

### Application Conditions

- For optimum results, firm even rub down pressure must be applied to the taped area to create the best possible adhesion between the tape and paper surface. A plastic squeegee (3M PA1-B) or similar tool can help achieve the proper uniform pressure.

### General Information

- This tape can be used in the splicing of many LWC (Light-Weight-Coated) papers, particularly gravure papers. It also can be used in many other finished splice applications, even with “alkaline coatings” and with stearate sizing.
- Store in a clean, dry place at 70°F (21°C), and 50% relative humidity in the sealed plastic bags until ready for use. For best results, use within 18 months of date of manufacture.
- Packing in sealed plastic bags helps assure the moisture content of unused tape.
- Water and alkali dispersability are excellent and eliminate danger of contaminating the paper mill broke with non-repulpable material. (Poor quality paper and plugged Fourdrinier screens often can be caused by typical non-repulpable, rubber-base splicing media).
- The kraft backing is untreated and readily accepts most inks and coatings.

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## Application Ideas

- Taping the “lip” and “tail” of machine rereeler splices prior to off-machine coating of fine papers.
- Taping the “lip” on web offset splices and the “lip” and “tail” on safety splices (especially on papers with LWC coating formulations).
- Butt Splices.

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## Features

- High performance adhesive
- Complete repulpability
- Printable backing

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## Advantages

- Combines high initial adhesion with very good heat resistance to perform on the difficult surface of many “raw” LWC coatings.
- Splices and tape will not contaminate broke.
- Accepts most printing ink and/or coatings.

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## Benefits

- Good splices quickly. High strength splices. Performs through high temperature operations, including super-calendering and printing.
- Helps save labor and increase value of scrap.
- Helps assure high quality printing and coating without flaking or print distortion.

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## For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550. Address correspondence to: 3M Industrial Tape and Specialties Division, 3M Center, Building 220-7E-01, St. Paul, MN 55144-1000. Our fax number is 612-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-809-750-3000. In Mexico, phone: 5-728-2180.

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ISO 9002

This Industrial Tape and Specialties Division product was manufactured under a 3M quality system registered to ISO 9002 standards.

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Industrial Tape and Specialties Division

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40% pre-consumer  
10% post-consumer

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