

Repulpable Single-Coated Splicing Tape

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Technical Data

August, 1995

Product Description A single-coated repulpable construction using a release coated, semi-bleached kraft paper backing and a blue, high performance adhesive.

Construction	Backing	Adhesive	Liner	Color	Roll Length
	52 lb./3000 ft. ² (85 g/m ²) Semi-bleached kraft paper with a one-side, easy-release treatment	Blue repulpable	None	Off-White	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:	Completely*
Tensile Strength:	Machine Direction – 45 lbs./in. (788 N/100 mm) Cross Direction – 30 lbs./in. (525 N/100 mm)
Tape Thickness:	4.0 mils (0.10 mm)
Bonding Strength:	Delaminates most papers (especially for LWC coating formulations, however, 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 be effective in helping achieve the proper uniform pressure.

General Information

- For splicing of LWC (Light-Weight-Coated) papers, particularly gravure papers. It has also performed well 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 one year of date of manufacture.
- Packing in sealed plastic bags helps assure the moisture content of unused tape.

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General Information (continued)

- Water and alkali dispersability are excellent and eliminate risk of contaminating the paper mill broke with non-repulpable material.
- Coatings and inks do not anchor to the backside of this tape.

Application Ideas

- Taping the “lip” on web offset splices and the lip and tail on safety splices (especially on papers with LWC coating formulations)*
- Butt Splices
- Paster Tabs

Features

- High performance adhesive
- Complete repulpability

Advantages

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

Benefits

- Good splices quickly. High strength splices. Performs through many high temperature operations, including super-calendering and printing.
- Helps save labor and increase value of scrap

For Additional Information

To request additional product information or to arrange for sales assistance, call 612-733-1441. Address correspondence to: 3M Industrial Tape and Specialties Division, 3M Center, Building 220-8E-04, St. Paul, MN 55133-3220. Our fax number is 612-733-5412. In Canada, phone: 1-519-451-2500. In Puerto Rico, phone: 1-809-750-3000. In Mexico, phone: 5-728-0400.

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ISO 9002

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Industrial Tape and Specialties Division

3M Center, Building 220-8E-04
P.O. Box 33220
St. Paul, MN 55133-3220



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