



Printable Repulpable Single-Coated Splicing Tape 9103

Technical Data

June, 2004

Product Description 3M™ Repulpable Tape 9103 is a blue kraft paper coated with a blue, repulpable adhesive on an easy-release silicone liner.

Product Construction

Backing	Adhesive	Liner	Color	Standard Roll Length
40 lb./3000 ft. ² (53 g/m ²) repulpable bleached kraft	Blue, repulpable	Semi-bleached kraft paper with a one side, easy-release treatment, repulpable	Blue	60 yds. (55 m)

Typical Physical Properties

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 – 46 lbs./in. Cross Direction – 18 lbs./in.
Tape Thickness:	4.5 mils (.11 mm)
Bonding Strength:	Delaminates most papers (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. **Note:** 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.

Features

- This tape can be used in the splicing of many coated papers > 35 lbs./3000 ft², used in Offset & Rotogravure printing. It also can be used in many other finished splice applications, even with “alkaline coatings” and with stearate sizing.
- All components of the adhesive and backing meet the requirements of indirect food additive regulations as described under 21 CFR 176.170 (Components of paper and paperboard in contact with aqueous and fatty food) and 21 CFR 176.180 (Components of paper and paperboard in contact with dry foods).
- 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	<ul style="list-style-type: none">• Taping the “lip” and “tail” of machine re-reeler splices prior to off-machine coating of fine papers.• Taping the “lip” on web offset splices and the “lip” and “tail” on safety splices.• Butt splices.
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Application Techniques	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 or similar tool can help achieve the proper uniform pressure.
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Storage	Store under normal conditions of 70°F (21°C) and 50% R.H. in the sealed plastic bags until ready for immediate use.
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Shelf Life	To obtain best performance, use this product within 18 months from date of manufacture.
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Product Use	All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.
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ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.

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