

# 3M

## Butt Splicing Tape

### 9114

Technical Data

October, 2006

#### Product Description

3M™ Butt Splicing Tape 9114 is a single-coated blue repulpable splicing tape which is covered with a center slit repulpable paper liner, and additionally laminated with a single coated non-repulpable removable masking tape strip which can be used as a positioning aid on the paper roll.

#### Product Construction

| Backing  | Adhesive            | Liner   | Removable Strip                | Color | Standard Roll Length |
|--|---------------------|---|--------------------------------|-------|----------------------|
| 40 lb./3000 ft. <sup>2</sup><br>(53 g/m <sup>2</sup> )<br>bleached kraft,<br>repulpable, printable | Blue,<br>repulpable | Repulpable semi-<br>bleached kraft paper<br>with a one-side, easy<br>release treatment. | Non-repulpable<br>masking tape | Blue  | 60 yds.<br>(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*<br>Liner – Completely*<br>Removable Tape Strip – Not repulpable |
| Tensile Strength: | Machine Direction – 46 lbs./in.<br>Cross Direction – 18 lbs./in.                   |
| Tape Thickness:   | 4.5 mils (0.11 mm) without liner and removable tape strip                          |
| Bonding Strength: | Delaminates most papers  |
| 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.

#### Features

- Can be used in the splicing of many coated papers > 35 lbs./3000 ft.<sup>2</sup>, 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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|                                    |  |
|------------------------------------|--|
| <b>Application Techniques</b>      | For optimum results, firm, even rub down pressure should 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.  |
| <b>Application Ideas</b>           | <ul style="list-style-type: none"><li>• Taping the “lip” and “tail” of machine re-reeler splices prior to off-machine coating of fine papers.</li><li>• Taping the “lip” on web offset splices and the “lip” and “tail” on safety splices.</li><li>• Butt splices.</li></ul>   |
| <b>Storage</b>                     | Store under normal conditions of 70°F (21°C) and 50% R.H. until ready for use.   |
| <b>Shelf Life</b>                  | To obtain best performance, use this product within 18 months from date of manufacture.  |
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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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