



# Repulpable Flying Splice System R9993

Technical Data

February, 2010

**Product Description** 3M™ Repulpable Flying Splice System R9993 is a repulpable double coated tape laminate with easy-release split liners.

**Product Construction**

Backing	Adhesive	Liner	Color	Available Roll Sizes Roll Length
Repulpable paper	Repulpable adhesive	Easy-release coated repulpable paper	Splicing side - blue Tabbing side - clear	37.5mm x 33m (1½" x 36 yds.) 50mm x 33m (2" x 36 yds.)

**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:	Completely*
Bond Strength:	Excellent affinity to Cellulose Fibers
Tape Thickness:	5.0 mils (0.11 mm) without liner
Liner Thickness:	3.1 mils (0.08 mm)
Post-Split Splicing Tape Thickness:	2.5 mils (0.06 mm)
Post-Split Tabbing Tape Thickness:	2.2 mils (0.05 mm)
Temperature Range:	Up to 400°F (204°C)**

\*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.

\*\*As tested in laboratory, however, heat resistance may depend on machine and web tensions, nature of paper surface, application pressure, etc. which are outside of 3M control.

**Features**

- Coatable and printable.
- High initial adhesion on different paper surfaces.
- Quick and easy splices.
- Optimal application temperature range is: 70° to 100°F (21° to 38°C).
- Sealed plastic bags assure product stability for consistent performance.
- Water and alkali dispersability are excellent and eliminate danger of contaminating the paper mill broke with non-repulpable materials.
- For optimum results, firm even rub down pressure must be applied to the tape area to create the best possible adhesion between the tape and paper surface.
- No need for complex patterns and multiple tapes.
- Can save money by having a more consistent and efficient splice.
- Quick and easy application in four simple steps.
- High bond area to paper surface.
- Enables a smooth splice transition.
- Reliable splicing operation, at high and low temperatures.
- No loose fibers.
- Reduce likelihood of interruptions to subsequent processing operations.

# 3M™ Repulpable Flying Splice System

R9993

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## Special Features

- Engineered opening force for today's high speed presses.
- Ideal for off-line splice preparations and subsequent roll storage.

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## Application Ideas

- Splittable flying splice tape for commercial printing operations.
- Ideal for high temperature printing where PSA tapes are desired over glue.

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## Storage

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original packaging.

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## Shelf Life

To obtain best performance, use this product within 12 months from date of manufacture.

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## Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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## Product Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for 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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