



Splittable Flying Splice System

R9990

Technical Data

November, 2006

Product Description

3M™ Splittable Flying Splice System R9990 is a double coated tape laminate with a low release split liner and a metalized layer for auto sensing and splice detection applications.

Product Construction

Backing	Adhesive	Liner	Color	Available Roll Sizes Roll Length*
Metalized paper	Repulable adhesive	Easy-release coated repulable paper	Splicing side - blue Tabbing side - clear	37.5mm x 55m (1½" x 60 yds.)

*Also available in 100m lengths.

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.

Bond Strength:	Excellent affinity to Cellulose Fibers
Tape Thickness:	5.5 mils (0.14 mm) without liner
Liner Thickness:	3.1 mils (0.08 mm)
Post-Split Splicing Tape Thickness:	3.1 mils (0.08 mm)
Post-Split Tabbing Tape Thickness:	2.2 mils (0.05 mm)
Temperature Use Range:	Up to 300°F (150°C)*

*As tested in laboratory, however, heat resistance may depend on machine and web tenions, nature of paper surface, application pressure, etc.

Features

- Optimal application temperature range is: 70° to 100°F (21° to 38°C).
- Sealed plastic bags assure product stability for consistent performance.
- 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.
- Resistance to premature delamination during spin-up.
- High bond area to paper surface.
- Enables a smooth splice transition and no need to angle splice.
- Reliable splicing operation.
- No loose fibers.
- Reduce likelihood of interruptions of subsequent processing operations.
- Coatable and printable.

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Features (continued)

- Allows for wide range of papers and film web processing operations.
- One tape to meet all your splicing needs.
- High initial adhesion on different paper surfaces.
- Quick and easy splices.

Application Ideas

- Flying splice tape for wide range of grades of papers and converted webs.

Storage

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

Shelf Life

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

Product Use

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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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