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# 3M™ Splittable Flying Splice System R9990

## 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 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.
- 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.

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## Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

## Typical Physical Properties

### Color

Splicing side - blue

Tabbing side - clear

Property	Values	Values	Notes
Total Tape Thickness without liner	0.14 mm	5.5 mil	
Post - Split Splicing Tape Thickness	0.08 mm	3.1 mil	
Post - Split Tabbing Tape Thickness	0.05 mm	2.2 mil	
Backing	Metalized paper		
Adhesive	Repulpable adhesive		
Liner	Easy-release coated repulpable paper		
Liner Thickness	0.08 mm	3.1 mil	
Bond Strength	Excellent affinity to Cellulose Fibers		

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## Typical Physical Properties (continued)

Property	Values		Notes
Heat Resistance	Up to 150 °C	Up to 300 °F	Web temperature: As tested in laboratory, results may vary depending on machine and web tensions, nature of paper surface, application pressure, etc. which are outside of 3M control.

## Available Sizes

37.5mm x 33m (11/2 in x 36 yd)

50mm x 33m (2 in x 36 yd)

Also available in 100m lengths

## Handling/Application Information

### Application Ideas

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

## Storage and Shelf Life

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original packaging. To obtain best performance, use this product within 12 months from date of manufacture.

## Trademarks

3M is a trademark of 3M Company.

## References

### Safety Data Sheet (SDS)

[https://www.3m.com/3M/en\\_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en\\_US&co=ptn&q=R9990](https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=R9990)

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## ISO Statement

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

## Information

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