



# Technical Data Sheet

## 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. AD2976

### 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.

### 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

Attribute Name	Value
Backing Color	Splicing side - blue Tabbing side - clear
Color	Blue Clear
Adhesive Type	Repulvable adhesive
Backing	Metalized paper
Bond Strength	Excellent affinity to Cellulose Fibers
Temperature Resistance	Up to 150 °C (Up to 300 °F) <sup>1</sup>

<sup>1</sup> 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.

Attribute Name	Test Method	Value
Total Tape Thickness	ASTM D3652	0.14 mm (5.5 mil)
Post - Split Tabbing Tape Thickness		0.05 mm (2.2 mil)
Post - Split Splicing Tape Thickness		0.08 mm (3.1 mil)
Liner		Easy-release coated repulvable paper
Liner Thickness		0.08 mm (3.1 mil)

## Typical Performance Characteristics

Attribute Name	Value
Short Term Temperature Resistance	150 °C (300 °F) <sup>1</sup>

<sup>1</sup> Short Term (minutes, hour)

## Handling/Application Information

### Application Examples

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

## Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 12 months from date of manufacture.

## Available Sizes - Detailed

37.5mm x 33m (1 1/2 in x 36 yd)  
50mm x 33m (2 in x 36 yd)  
Also available in 100m lengths

## Information

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## ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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