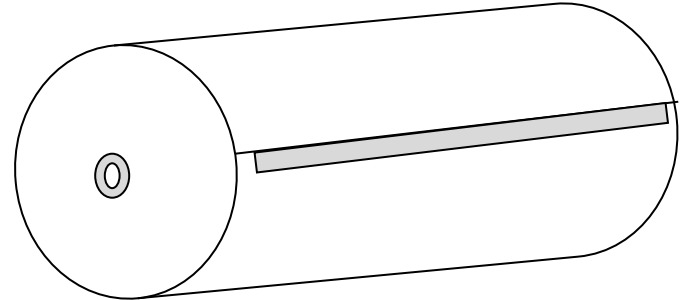
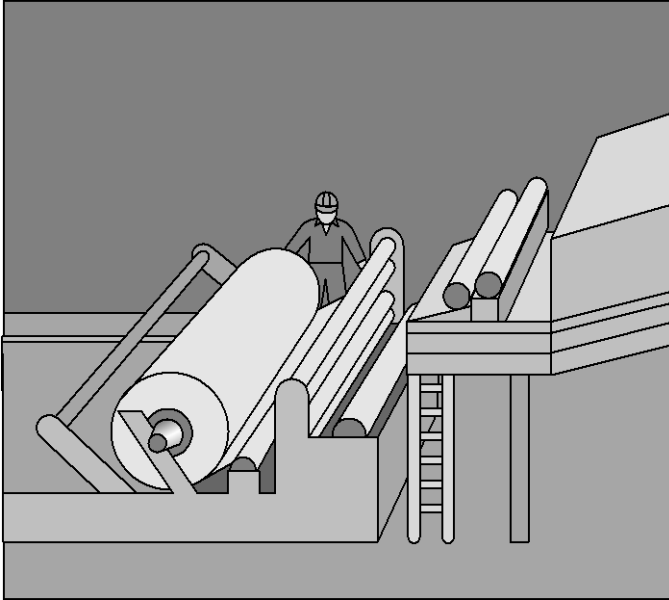


3M Application Profile #4

Market: Web Processing in Paper Mills and Paper Converters

Application Description: Flying Splices at the Off Machine Coater



RECOMMENDED PRODUCT

3M™ Splittable Flying Splice Tape R3379

Key Application Requirements

Extremely high tack and excellent shear strength and heat resistance are required from the tape for consistent flying splices.

Advantages/Benefits to Customer

Extremely high tack: Durable adhesives form a strong bond instantly to most paper types including coated stock. This ensures a reliable and consistent splice to help you save money.

Fiber-Free splitting mechanism: Separation layer enables a smooth splice transition that allows less clean-up of fiber debris on rolls and blades.

Simple easy application: Consistent and efficient splice application saves time and money.

Tape separates easily and smoothly: Smooth tape separation can result in reduced tension upset at transfer and therefore fewer splice failures.

Reulpable: Both 3M tape and liner pass TAPPI method UM-213. There is no need to separate splice from waste, helping to save labor.

Process

3M™ Splittable Flying Splice Tape R3379 performs two vital parts of the flying splice process for Off Machine Coaters. (1) It holds the new roll closed during acceleration, prior to splice contact with the expiring web. (2) It also functions as the splicing tape to transfer the new web of paper to the expiring web at machine speed.

Application Method

By hand or in automated splicing equipment.

Key Decision Makers

Production Managers and Supervisors
Finishing Superintendents
Purchasing

Related Tapes*

- 3M™ Splittable Flying Splice Tapes R3379
- 3M™ Splittable Flying Splice Tapes R3389B

* Some tapes are not available in all regions. Check with your 3M Sales Representative for details.

3M Application Profile #4

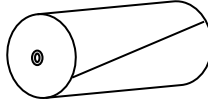
Product	Description	Typical paper weight usage range*	Nominal temperature usage range**
R3379	Repulpable Splittable Flying Splice Tape is used for high speed splicing conditions when high tack is required and to compensate for roll profile issues	50 – 200 gsm (30 lbs/3000 sq ft - 120 lbs/3000 sq ft)	up to 204°C (400°F)
R3389B	Repulpable Splittable Flying Splice Tape for wide range of paper weights in manual and automatic splicing equipment for high speed splicing conditions when high tack is required	> 50 gsm (30 lbs/3000 sq ft)	up to 204°C (400°F)

*Depends on paper grade

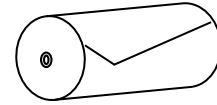
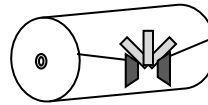
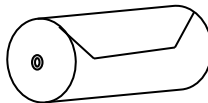
**Depending on web speed and tension

Other Typical Flying Splice (Pasters) Splicing Patterns

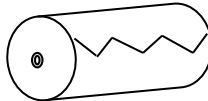
Slow Speed, Narrow Webs, 13 ft. [4m]:



Speeds up to 1300 ft./min. [400m/min.]:



Widths generally 13 ft. [4 m] or more:



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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