



Repulpable Flying Splice System

R9996

Technical Data

February, 2010

Product Description 3M™ Repulpable Flying Splice System R9996 is a repulpable double coated tape laminate with a low release splice liner.

| 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 | 50mm x 55m (2" x 60 yds.) 60 mm x 55m (2 ³ / ₈ " x 60 yds.) 75mm x 55m (3" x 60 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 Use 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

- Optimal application temperature range is: 70° to 100°F (21° to 38°C).
- Sealed plastic bags assure product stability for consistent performance.
- Water solubility 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.
- Saves money by having a more consistent and efficient splice.
- Improved splicing ergonomics compared to multi-point patterns.
- 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.
- Thin splice profiles for today's LWC papers.

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Features *(continued)*

- Reliable splicing operation.
- No loose fibers.
- Reduce likelihood of interruptions of subsequent processing operations.
- Coatable and printable.
- Allows for wide range of paper and paperboard processing through coating 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 paper.
- High temperature temporary splicing at off machine coaters and paper converters.
- May not be suitable for supercalendar flying splices.

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.

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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ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.



Industrial Adhesives and Tapes Division

3M Center, Building 225-3S-06
St. Paul, MN 55144-1000
800-362-3550 • 877-369-2923 (Fax)
www.3M.com/industrial



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