



Scotch™ Splittable Flying Splice Tape

Repulpable 9356 for Flying Splices

Product Data Sheet

March 2012
Supersedes: All

Product Description A double coated, splittable tape construction designed for straight line flying splices, furnished with repulpable acrylic adhesive on both sides and an easy release paper liner (also repulpable), with liner score for easy manual application.

Key Features The repulpable adhesives are designed for good shear and good heat resist for higher speed splicing on core driven printing presses, or on an off-machine coater- with improved adhesion to a wide range of papers. The splittable layer has been modified to provide a slightly higher overall splitting force for improved splice reliability in higher speed processes.

Physical Properties

Adhesive Type Splicing side	Blue Repulpable	
Adhesive Type Reel side	Clear Repulpable	
Tape Colour	Blue (splicing side) White (tabbing side)	
Carrier	White splittable non-siliconised tissue	
Thickness (ASTM D-3652)	Before splitting	After splitting
Tape	0.140 mm	Splice side 0.085 mm
Liner	0.060 mm	Reel side 0,055 mm
Total	0,200 mm	
Splittable Layer	Cleavable layer, recessed 2 mm in from leading tape edge	
Release Liner	Silicone coated semi-bleached Kraft paper	

Physical Properties

Not for specification purposes

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Needs thorough testing- performance dependent on web tensions, nature of paper surface, application pressure, etc. which are outside 3M control.

Repulpability *	Tape and Liner Completely *	
Bonding Strength	Excellent affinity to Cellulose Fibres	
Paper weight / speed**	Lower Paper Wt Test Limits	Upper Paper Wt Test Limits
	50 mm 42g, 450 m/min	50 mm 60g, 720 m/min
	60 mm 34g, 1.550 m/min	60 mm 60g, 720 m/min
	75g	75g

***Repulpability**

Repulpability is tested according to TAPPI UM 213, Procedure A. It is important to follow the weight and quantity measurement for fibre, splicing tape and water. Non-representative results can occur if test guidelines are not followed. The adhesives, carriers and liner are repulpable according to this test method.

**** Paper weight / Speed**

Lower and upper limits of paper weight and press speed represent the limits of successful testing of this and other related constructions carried out during field trials on core driven presses, Off Machine Coaters, or on other appropriate paper manufacturing equipment. The paper weight limits given do not imply that this product will not perform well on papers outside these limits. They are only an indication of the conditions within which testing results have been completed. We recommend consultation with 3M technical service for processes involving paper weights and press speeds outside the above-mentioned limits. Please note that thorough testing is necessary to ensure suitability of this product to the user's individual splicing conditions and requirements.

Applications	Designed for: <u>Flying splice</u> of paper webs in the paper industry Flying splice of paper webs on an Off-Machine Coater or on core driven printing presses. Not intended for use on belt driven printing presses.
Storage	3M Scotch™ Splittable Flying Splice Tape Repulpable 9356 should be stored in the original carton at 21°C (70°F) & 50 % Relative Humidityor refrigerated in the original carton for maximum shelf life. If the product is refrigerated, it should be allowed to warm to a temperature of at least 21°C before using. It is recommended that the protective liner be removed just prior to splicing, rather than leaving paper rolls with prepared splice patterns in storage without the protective liner.
Shelf Life	3M Scotch™ Splittable Flying Splice Tape Repulpable 9356 has a shelf life of 12 months from date of manufacture by 3M when stored in the original carton at 21°C (70°F) & 50 % Relative Humidity.
Precautionary Information	Refer to product label and Material Safety Data Sheet for health and safety information before using the product. For information please contact your local 3M Office. www.3M.com
For Additional Information	To request additional product information or to arrange for sales assistance, please call your local sales representative. Address correspondence to: 3M
Important Notice	All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method or application. All questions of liability relating to this product are governed by the terms of the sale subject, where applicable, to the prevailing law.

Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.

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