

# Technical data sheet



Product: 415

Manufacturer: 3M DEUTSCHLAND GMBH

Product group: KLEBEBAND

Article group: DOPPELSEITIG

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## 3M™ SPLICING TAPE 415

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## Technical Data Sheet

### 3M™ Splicing Tape 415



[Product Details](#)



[Regulatory Info/SDS](#)

#### **Product Description**

3M™ Splicing Tapes utilize an acrylic pressure sensitive adhesive system that offers a balance of initial adhesion and good holding power.

#### **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 Performance Characteristics**

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	22 °C (72 °F)	2.7 N/cm (25 oz/in) <sup>1</sup>
Short Term Temperature Resistance			82 °C (180 °F) <sup>2</sup>
Long Term Temperature Resistance			65 °C (150 °F) <sup>3</sup>

<sup>1</sup> 12 in/min (300 mm/min)

<sup>2</sup> Short Term (minutes, hour)

<sup>3</sup> Long Term (day, weeks)

#### **Typical Environmental Performance**

Attribute Name	Value
Solvent Resistance	Good
UV Resistance	Excellent

#### **Handling/Application Information**

##### **Application Examples**

- 3M™ Splicing Tape 415 can be used for high-speed flying splices and zero speed splices on most grades of paper such as newsprint, clay coated, corrugated stocks.

##### **Application Techniques**

- Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure helps develop better adhesive contact and improve bond strength.
- To obtain optimum adhesion, the bonding surfaces must be clean, dry, and well unified.
- Ideal tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application to surfaces at temperatures below 50°F (10°C) is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

#### **Industry Specifications**

##### **FDA Statement**

This product might be suitable for use in indirect food contact applications. Please see the applicable Regulatory Data Sheet for more information relating to FDA compliance.

## Storage and Shelf Life

Store in original cartons at 70°F (21°C) and 50% relative humidity.  
If stored under proper conditions, product retains its performance and properties for 24 months from date of manufacture.

## Available Sizes

Attribute Name	Width	Value
Core Size (ID)		76.2 mm (3 in)
Maximum Available Width		1219 mm (48 in)
Maximum Length	1/4 in to 3/8 in widths	165 m (180 yd)
Maximum Length	3/8 in to 1/2 in width	165 m (180 yd)
Maximum Length	2 in and greater	329 m (360 yd)
Maximum Length	1/2 to 2 in widths	329 m (360 yd)
Minimum Available Width		6.35 mm (1/4 in)
Normal Slitting Tolerance		± 0.8 mm (± 1/32 in)
Note		Subject to Minimum Order Requirements
Standard Roll Length		32.9 m (36 yd)

## Information

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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.

## For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit [www.3M.com/adhesives](http://www.3M.com/adhesives). Address correspondence to: 3M Industrial Adhesives and Tapes Division, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55144-1000. Our fax number is 651-778-4244. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

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