

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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Tewipack Uhl GmbH
Industriestraße 15
D-75382 Althengstett

Telephone:
+49(0)7051/9297-0
Fax:
+49(0)7051/9297-99

E-Mail:
info@tewipack.de
Website:
www.tewipack.de

Managing director:
Alexander Uhl,
Michael Uhl
HRB 330424
Amtsgericht
Stuttgart

Bank details:
Sparkasse
Sindelfingen
Pforzheim
Calw
BLZ 666 500
85
Konto 17 787

Commerzbank
Sindelfingen
BLZ 603 400 71
Konto 8 001 166

Vereinigte
Volksbank AG
Böblingen
BLZ 603 900 00
Konto 80 089
003

Postbank
Stuttgart
BLZ 600 100
70
Konto 146
294 708



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) ¹
Short Term Temperature Resistance			82 °C (180 °F) ²
Long Term Temperature Resistance			65 °C (150 °F) ³

¹ 12 in/min (300 mm/min)

² Short Term (minutes, hour)

³ 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. 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.

3M
Industrial Adhesives and Tapes Division
3M Center, Building 225-3S-06
St. Paul, MN 55144-1000
800-362-3550

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