

Technical data sheet



Product: 8421, 8422

Manufacturer: 3M DEUTSCHLAND GMBH

Product group: KLEBEBAND

Article group: EINSEITIG

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3M™ POLYESTER TAPES 8421/8422

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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

3M

Polyester Tape

8421·8422

Technical Data

February 2017

| | | | | |
|-----------------------------|---|----------------------------------|---|----------------------|
| Product Description | 3M™ Polyester Tapes 8421 and 8422 are for the photographic industry for splicing most film for processing through the developing chemicals. | | | |
| Product Construction | Backing | Adhesive | Color | Standard Roll Length |
| | Polyester | Rubber | 3M tape 8421 – Creamy white 3M tape 8422 – Black | 72 yds. (65.8 m) |
| 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. | | | |
| | | | | ASTM Test Method |
| | 3M Tape 8421 | | | |
| | Adhesion to Steel: | 42 oz./in. width (46 N/100 mm) | | D-3330 |
| | Tensile Strength: | 38 lbs./in. width (665 N/100 mm) | | D-3759 |
| | Elongation at Break: | 125% | | D-3759 |
| | Backing Thickness: | 1.3 mils (0.03 mm) | | D-3652 |
| | Total Thickness: | 2.4 mils (0.06 mm) | | D-3652 |
| | Temperature Use Range: | -60F (-50C) to 300°F (149°C) | | |
| | 3M Tape 8422 | | | |
| | Adhesion to Steel: | 50 oz./in. width (55 N/100 mm) | | D-3330 |
| | Tensile Strength: | 43 lbs./in. width (753 N/100 mm) | | D-3759 |
| | Elongation at Break: | 140% | | D-3759 |
| | Backing Thickness: | 1.4 mils (0.04 mm) | | D-3652 |
| | Total Thickness: | 2.5 mils (0.06 mm) | | D-3652 |
| | Temperature Use Range: | -60F (-50C) to 300°F (149°C) | | |
| Features | <ul style="list-style-type: none"> • Frequently used in chemical baths at 150°F (66°C). • Excellent solvent and chemical resistance, especially those found in photographic processes. • Aggressive rubber adhesive grabs quickly and adheres well to a variety of films. • Hot caustics will weaken backing after prolonged immersion. • 3M tape 8422 black tape is opaque to light and can work in systems having automatic sensors. • 3M tape 8421 white backing is used to easily identify splices. | | | |

3M™ Polyester Tape

8421 • 8422

- Application Ideas
- Pre-splicing of most photographic film for processing (thorough testing and evaluation is suggested due to varying processing baths).
 - General wide web splicing, including butt splicing and core starting.
 - Sealing, color-coding, protecting and edging where a higher tack rubber adhesive is needed.
 - Defect marking.

Storage Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% relative humidity in the original packaging material.

Shelf Life To obtain best performance, use this product within 18 months from date of manufacture.

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ISO 9001

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



Industrial Adhesives and Tapes Division
3M Center, Building 220-3S-06
St. Paul, MN 55144-1000
800-362-3550 • 577-369-2923 (Fax)
www.3M.com/industrial

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