

# 3M

## Differential Tack Double-Coated Tape

### 9429

Technical Data

May, 1995

**Product Description**      **9429**    0.005 in. (0.13 mm) thick medium tack/medium tack double-coated film tape

Construction	Product	9429 Tape
	Adhesive Type:	A-40*
	Adhesive Carrier:	3 mil (0.075 mm) Polyethylene
	Release Liner:	White Printed Paper
	Approximate Thickness:	
	Release Liner:	0.07 in. (0.18 mm)
	Tape Only:	0.05 in. (0.13 mm)
	Tape Color:	Translucent Clear

\*A-40 is a medium-firm acrylic pressure-sensitive adhesive. It features an excellent balance of good initial adhesion and good shear holding strength.

#### Typical Physical Properties and Performance Characteristics

**Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.**

Adhesion to Steel: (ASTM D3330)	
Non lined side	12.0 oz./in.
Lined side	18.0 oz./in.
Relative High Temperature Operating Ranges:	150°F (65°C)
Relative Solvent Resistance:	Fair
U.V. Resistance:	Excellent
Shelf Life of Tape in Roll Form:	12 months from date of manufacture when stored in original cartons at 70°F (21°C) and 50% relative humidity.

#### Available Sizes

Available Lengths (Subject to Minimum Order Requirements):	
Standard:	72 yds. (65.8 m)
Maximum:	
1/4 in. to 1/2 in.	144 yds. (132 m)
1/2 in. to 48 in.	360 yds. (329 m)
Normal Slitting Tolerance:	± 1/32 in. (0.8 mm)
Core Size (ID):	3.0 in. (76.2 mm)

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## 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. Typical surface cleaning solvents are isopropyl alcohol and water (rubbing alcohol) or heptane.  
**Note:** Be sure to follow the manufacturer's precautions and directions for use when using solvents.
- 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.

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## General Information

- 9429 tape has good adhesive anchorage to the film carrier to provide one piece removal from many well unified surfaces.

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## Application Ideas

- 9429 tape is ideal for bonding a wide variety of similar and dissimilar materials such as many metals, glass, wood, papers, paints, and many plastics. Some application ideas include:
  - Removable attachment systems to wallboard including disposable window shades.
  - Core starting and end tabbing of many papers, foils, and films.
  - Mounting promotional items, posters.
  - Mounting removable/changeable advertisements.

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## For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-227-5085. Address correspondence to: 3M Industrial Tape and Specialties Division, 3M Center, Building 220-8E-04, St. Paul, MN 55144-1000. Our fax number is 612-733-9175. In Canada, phone: 1-519-451-2500. In Puerto Rico, phone: 1-809-750-3000. In Mexico, phone: 5-728-0400.

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## Important Notice

3M MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of application. Please remember that many factors can affect the use and performance of a 3M ITSD product in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a 3M ITSD product. Given the variety of factors that can affect the use and performance of a 3M ITSD product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M ITSD product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

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## Limitation of Remedies and Liability

If the 3M product is proved to be defective, THE EXCLUSIVE REMEDY, AT 3M'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR TO REPAIR OR REPLACE THE DEFECTIVE 3M PRODUCT. 3M shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including negligence, warranty, or strict liability.

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ISO 9002

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