



Anti-Slip/Anti-Stick Tape

5461

Technical Data

April, 1996

Product Description A tape which has the unique properties of being a premium release surface while also having a high coefficient of friction.

Construction	Backing	Adhesive	Liner	Color	Standard Roll Length	Standard Roll Width
	Plastic film with silicone rubber coating.	Acrylic	Silicone coated paper	White	18 yards	2 inch

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.

	ASTM Test Method
Adhesion to Steel:	30 oz. In. width (33N/100 mm) D-3330
Tensile Strength at Break:	85 lbs./in. width (1500 N/100 mm) D-3759
Elongation at Break:	165% D-3759
Backing Thickness:	7.8 mils (.19 mm) D-3652
Total Tape Thickness:	9.1 mils (.23 mm) D-3652

- General Information**
- Tape 5461 is ideal for covering many process rollers which require low release (anti-stick) with elimination of coating buildup and low release noise while also providing a high coefficient of friction (anti-slip) surface.
 - When used to cover rollers in web processing, the release surface of tape 5461 allows the web to release easily from the roll while still providing a friction surface which allows for the traction needed to drive and guide the web.
 - The tape is flexible enough to wrap a 2 in. (50 mm) mandrel.
 - Best results are achieved when applied to clean, dry surfaces at temperatures near 70°F (21°C).
 - The silicone rubber surface can be wiped clean with a dry wipe. Note: Cleaning solvents may swell the rubber in this tape. The use of solvents is not recommended with tape 5461.
 - When using this tape, certain combinations of materials and conditions may cause a static discharge. Analyze your system for proper grounding to minimize the possibility.
 - The shelf life for tape 5461 is 18 months from the date of manufacture when stored in a clean, dry environment between 60-80°F and 40-50°F relative humidity in original, unopened cartons.

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Application Ideas

- Use tape 5461 to provide better traction on drive rollers.
- Spiral wrap tape 5461 to create a spreader roll from an idler roll.
- Use tape 5461 to eliminate coating transfer and/or build-up on driver rolls and idler rolls.
- Use tape 5461 for noise reduction on idler rolls.

Features

Advantages

Benefits

- | | | |
|---------------------------------------|---|---|
| • Silicone rubber coating | <ul style="list-style-type: none">• Easy release of sticky coatings• High coefficient of friction• Thin product | <ul style="list-style-type: none">• No transfer or build-up of Coatings to drive rollers• Positive traction for driving and guiding webs in processes• Can be used to smooth wrinkles• Minimizes change in roll diameter and web speed |
| • Pressure sensitive acrylic adhesive | <ul style="list-style-type: none">• High adhesion | <ul style="list-style-type: none">• Easy to apply• Helps minimize downtime• Can be cut to many irregular shapes |
| • Paper liner | <ul style="list-style-type: none">• Easy release liner on adhesive side | <ul style="list-style-type: none">• Easy to handle and apply |

For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550. Address correspondence to : 3M Industrial Tape and Specialties Division, 3M Center, Building 220-7E-01, St. Paul, MN 55144-1000. Our fax number is 612-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-809-750-3000. In Mexico, phone: 5-728-2180.

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ISO 9002

This Industrial Tape and Specialties Division product was manufactured under a 3M quality system registered to ISO 9002 standards.

3M

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