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3M

Anti-Slip/Anti-Stick Tape

5461

Technical Data

March, 2006

Product Description 3M™ Anti-Slip/Anti-Stick Tape 5461 has the unique properties of being a premium release surface while also having a high coefficient of friction.

Product Construction	Backing	Adhesive	Liner	Color	Standard Roll Length	Standard Roll Width
	PET film with silicone rubber coating	Rubber	Silicone coated paper	White	18 yards	2 inch

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
Adhesion to Steel:	30 oz./in. width (33 N/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 mil (0.19 mm)	D-3652
Total Tape Thickness:	9.1 mils (0.23 mm)	D-3652

- Features**
- When used to cover rollers in web processing, the release surface 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.
 - Flexible enough to wrap a 2 in. (50 mm) mandrel.
 - Easy release of sticky coatings to prevent transfer of build-up of coatings to drive rollers.
 - Positive traction for driving and guiding webs in processes.
 - Can be used to smooth wrinkles.
 - Thin product to minimize change in roll diameter and web speed.
 - Easy release liner on adhesive side so can be cut to many irregular shapes.

- Application Techniques**
- 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:** The use of cleaning solvents is not recommended as they may swell the rubber.
 - 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.

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Application Ideas	<ul style="list-style-type: none">• Ideal for covering many process rollers which require low release (anti-stick) with elimination of coating build-up and low release noise while also providing a high coefficient of friction (anti-slip) surface.• Provide better traction on drive rollers.• Spiral wrap to create a spreader roll from an idler roll.• Eliminate coating transfer and/or build-up on drive rolls and idler rolls.• Noise reduction on idler rolls.
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Storage	Store under normal conditions of 60° to 80°F (16° to 27°C) and 40-50% relative humidity in the original, unopened carton.
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Shelf Life	To obtain best performance, use this product within 18 months from date of manufacture.
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Product Use	All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.
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This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.



Industrial Business Industrial Adhesives and Tapes Division

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