



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

- 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.

Storage

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40-50% relative humidity in the original, unopened carton.

Shelf Life

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

Product Use

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ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.



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