

March, 2006

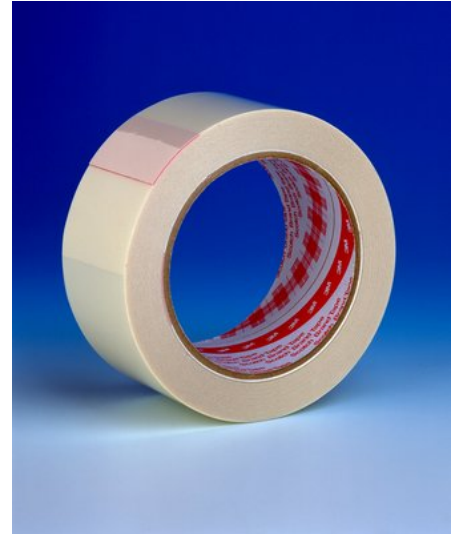
3M™ Traction Tape 5461

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 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 yd (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.



3M™ Traction Tape 5461

Technical Information Note

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

Typical Physical Properties

Property	Values		Method
Color	White		
Total Tape Thickness	0.23 mm	9.1 mil	ASTM D3652
Backing Thickness	0.19 mm	7.8 mil	ASTM D3652
Backing	PET film with silicone rubber coating		
Adhesive	Rubber		
Liner	Silicone Coated Paper		

Typical Performance Characteristics

Property	Values		Method	Substrate
Peel Adhesion	3.3 N/cm	30 oz/in	ASTM D3330	Stainless Steel
Tensile Strength	148.9 N/cm	1360 oz/in	ASTM D3759	
Elongation at Break	165 %		ASTM D3759	

3M™ Traction Tape 5461

Available Sizes

Property	Values	
Standard Roll Length	16 m	18 yd
Standard Width	50.8 mm	2 in

Handling/Application Information

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.

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.

Storage and Shelf Life

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

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

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/company-us/all-3m-products/~//3M-Traction-Tape-5461?N=5002385+3293242250&rt=rud

Table continued on next page

3M™ Traction Tape 5461

References (continued)

Property	Values
Safety Data Sheet (SDS)	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=5461

ISO Statement

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

3M™ Traction Tape 5461

Information

Technical Information: The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty, Limited Remedy, and Disclaimer: Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

3M™ Traction Tape 5461



3M United States
3M Center
St. Paul, MN 55144-1000
800-362-3550
www.3M.com

Please recycle.
© 3M 2020. All Rights Reserved.

The brands listed above are trademarks of 3M