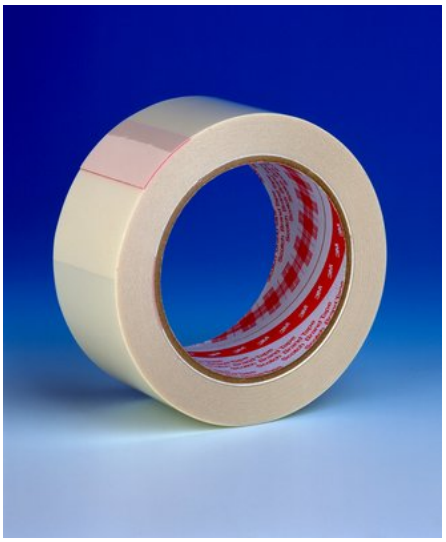
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ASK A 3M EXPERT

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	Dwell/Cure Time	Substrate	Notes
180° Peel Adhesion	3.3 N/cm	30 oz/in	ASTM D3330	Initial	Stainless Steel	12 in/min (300 mm/min)
Tensile Strength	148.9 N/cm	1360 oz/in	ASTM D3759			
Elongation at Break	165 %		ASTM D3759			

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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 near70°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

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

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