



# Technical Data Sheet

## 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.

### 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

Attribute Name	Test Method	Value
Color		White
Adhesive Type		Rubber
Backing		PET film with Silicone Rubber coating
Backing Thickness	ASTM D3652	0.19 mm (7.8 mil)
Total Tape Thickness	ASTM D3652	0.23 mm (9.1 mil)
Liner		Silicone Coated Paper

### Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	23 °C (73 °F)	3.3 N/cm (30 oz/in) <sup>1</sup>
Elongation at Break	ASTM D3759		165 %
Tensile Strength	ASTM D3759		148.9 N/cm (85 lb/in)
Long Term Temperature Resistance			93 °C (200 °F) <sup>2</sup>

<sup>1</sup> 304 mm/min (12 in/min)

<sup>2</sup> Long Term (day, weeks)

## **Handling/Application Information**

### **Application Examples**

- 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 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 18 months from date of manufacture.

## **Available Sizes**

<b>Attribute Name</b>	<b>Value</b>
Standard Roll Length	16 m (18 yd)
Standard Width	50.8 mm (2 in)

## **Information**

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## **ISO Statement**

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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