



# Technical Data Sheet

## 3M™ Scotch® High-Temperature Masking Tape 214



[Product Details](#)



[Regulatory Info/SDS](#)

### Product Description

Scotch® High-temperature Masking Tape 214 is good for 30 minutes at 350°F (177°C) on most surfaces. The adhesive is sulfur-free which makes it one of the few tapes that can be used on copper, silver and other precious metals.

### Product Features

- Has excellent stain resistance.
- Adhesive is very firm and allows it to be used on most treated metals.
- Scotch® Tape 214 complements Scotch® Tape 213 in high temperature masking tape usage and should be evaluated at the same time.
- Will generally withstand bake cycles up to 350°F (177°C) for 30 minutes - even on treated metals. Performance is governed by total time, temperature, surface tape is applied to, and any other coatings and conditions.
- Can be certified to ASTM D-6123 (replaces obsolete PPP-T-42C, Type I, CID-A-A-883B)
- Should not be subjected to outdoor exposure or prolonged periods of sunlight exposure as tape may become very difficult to remove.

### 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
Adhesive Type		Firm rubber adhesive designed to give outstanding holding power for a high heat resistant tape
Backing		Smooth crepe paper treated with a high heat and stain resistant saturant
Total Tape Thickness	ASTM D3652	0.14 mm (5.5 mil)

### Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	22 °C (72 °F)	3.2 N/cm (29 oz/in) <sup>1</sup>
Elongation at Break	ASTM D3759		10 %
Tensile Strength	ASTM D3759		47.3 N/cm (27 lb/in)
Short Term Temperature Resistance			177 °C (350 °F) <sup>2</sup>

<sup>1</sup> 12 in/min (300 mm/min)

<sup>2</sup> Short Term (minutes, hour)

### Handling/Application Information

#### Application Examples

- Can be used in a wide variety of high heat, treated metal, and stain resistant applications. It is generally considered only when one of these factors is a problem.

## **Storage and Shelf Life**

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40-60% R.H. in the original carton. To obtain best performance, use this product within 24 months from date of manufacture.

## **Available Sizes**

<b>Attribute Name</b>	<b>Value</b>
Standard Roll Length	54.8 m (60 yd)

## **Information**

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## **ISO Statement**

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

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