

Technical data sheet



Product: 214

Manufacturer: 3M DEUTSCHLAND GMBH

Product group: KLEBEBAND

Article group: EINSEITIG

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3M SCOTCH® MASKING TAPE 214

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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) ¹ |
| 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) ² |

¹ 12 in/min (300 mm/min)

² 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 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 24 months from date of manufacture.

Available Sizes

| Attribute Name | Value |
|-----------------------|----------------|
| Standard Roll Length | 54.8 m (60 yd) |

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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