

February, 2016

3M™ Scotch® High-Temperature Masking Tape 214

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.
- Should not be subjected to outdoor exposure or prolonged periods of sunlight exposure as tape may become very difficult to remove.

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

Typical Performance Characteristics

Property	Values		Method	Substrate
Peel Adhesion	3.2 N/cm	29 oz/in	ASTM D3330	Stainless Steel
Tensile Strength	47.3 N/cm	432 oz/in	ASTM D3759	
Elongation at Break	10 %		ASTM D3759	
Temperature Use Range	30 minutes up to 177 °C	30 minutes up to 350 °F		

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Available Sizes

Property	Values	
Standard Roll Length	54.8 m	60 yd

Handling/Application Information

Application Ideas

- 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.

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Information

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Trademarks

Scotch is a registered trademark of 3M.

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References

Safety Data Sheet (SDS)

https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=214

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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