



# High Performance Masking Tape

232

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Temporary Technical Data

May 29, 2002

Supersedes: 1/9/99

## Product Description

A high performance paper masking tape designed to be used in medium temperature paint bake operations.

## Product Construction

Backing: A smooth crepe paper treated with a heat and solvent resistant saturant.  
Adhesive: Rubber.  
Color: Tan  
Standard Roll Length: 55 m (60.17 yards)  
Available in metric widths (eg., 24mm corresponds to 1 inch)

## Typical Physical Properties

**Note:** The following technical information and data should be considered representative or typical only, and should not be used for specification purposes.

		ASTM TEST METHOD
Adhesion to Steel:	41 oz./in. width (44 N/100mm)	D-3330
Tensile Strength:	27 lbs./in. width (472N/100mm)	D-3759
Elongation at Break:	8%	D-3759
Tape Thickness:	6.3 mils (0.16mm)	D-3652
Temperature Use Range:	Up to 250°F (121°C) for 30 min. Removes cleanly	

# Scotch™ High Performance Masking Tape

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### General Information

1. Tape 232 has been laboratory tested on painted panels and found to remove cleanly at bake temperatures of up to 250°F (121°C) for 30 minutes. The actual temperature and time performance may be higher or lower for a given application. Clean removal can vary dependent on surface type, processing conditions such as multiple bakes, type of paint involved as well as the temperature of the surface at removal. We recommend testing the product under your conditions to determine if it meets your needs.
2. Tape 232 has excellent transfer resistance to “difficult to remove from” surfaces like EPDM rubber moldings.
3. While 232 tests indicate it is better than conventional masking tapes for sunlight resistance, it is still advised that it not be subjected to outdoor exposure or prolonged periods of sunlight. The tape may become difficult to remove.
4. Tape 232 is manufactured in an ISO 9002 registered plant to meet worldwide quality standards.
5. Tape 232 can be qualified for PPP-T-42C, Type I (CID-A-A-883A).

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### Shelf Life

To obtain best performance, use this product within one year from date of manufacture and store under normal conditions of 70°F (21°C) and 50% R.H. in the original carton.

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### Application Ideas

Tape 232 is an excellent paint masking tape. In addition, it is used throughout industry for holding, protecting, bundling and a vast number of other difficult jobs where a pressure-sensitive tape is needed.

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### Features

<u>FEATURES</u>	<u>ADVANTAGES</u>	<u>BENEFITS</u>
Rubber adhesive	Instant adhesion	Sticks easily/helps reduce labor
	Good holding power	Reduces lifting or curling/helps reduce rework
Controlled crepe paper backing	Adhesive transfer resistance	Clean removal/helps reduce labor required to remove adhesive transfer.
	Smoothness	Excellent surface contact/very secure holding
	Thinness	Sharp paint line/quality paint job
	Dead stretch	Resists recover/helps eliminate rework
	Easy tear	Excellent handling/helps reduce waste
	Conformability	Easy handling/helps reduce time involved

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	Backing saturant	Solvent and moisture resistance	time involved Minimizes bleed-through/helps reduce rework
	Special backsize treatment	Controlled unwind	Easy to use/helps reduce waste

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### Technical Information and Data

The technical information and data, recommendations, and other statements provided are based on tests or experience which 3M believes to be reliable, but the accuracy or completeness of such information is not guaranteed.

### Product Use

Please remember that many factors can affect the use and performance of a 3M product in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a 3M product. Given the variety of factors that can affect the use and performance of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

### Warranty and Limited Remedy

The 3M product will be free from defects in material and manufacture for a period of one (1) year from the date of manufacture. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of application. If the 3M product is defective within the warranty period stated above, your exclusive remedy and 3M's sole obligation shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product.

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ISO 9002

This Industrial Tape and Specialties Division product was manufactured under a 3M Quality system registered to ISO 9002 standards.

# 3M

### Industrial Tape and Specialties Division

3M Center, Building 220-7W-03  
St. Paul, MN 55144-1000  
USA  
1 800.722.5463  
1 800.223.7427 Fax On Demand  
www.3M.com

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