



# Premium High Temperature Masking Tape

## 2394

FOD# 1582  
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### Technical Data January 1, 1999

*Supersedes September 1, 1998*

**Product Description** A smooth, heavy duty, mini-crepe high temperature masking tape. This tape is designed for applications requiring a moderate holding capability.

**Product Construction** Backing: A smooth mini-crepe paper treated with a heat resistant saturant  
Adhesive: A very high temperature heat resistant, smooth coated, rubber adhesive  
Color: Tan  
Standard Roll Length: 60 yds. (55m)

**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.

		<b>ASTM TEST METHOD</b>
Adhesion to Steel:	35 oz./in. width (38 N/100mm)	D-3330
Tensile Strength:	29 lbs./in. width (508 N/100mm)	D-3759
Elongation at Break:	11%	D-3759
Tape Thickness:	7.6 mils (.185mm)	D-3652
Temperature Use Range:	Up to 325° F (163° C) for 30 minutes	

- General Information**
1. Tape 2394 offers excellent paint mask performance with high solids paints and clear coats used in the transportation industry.
  2. The special adhesive offers excellent adhesion to and easy removability from both metal and plastic.
  3. Tape can be removed hot, warm or cold from most surfaces without adhesive transfer.
  4. The heat resistance of this construction makes it suitable for bake cycles up to 325° F (163° C) for 30 minutes.
  5. Tape 2394 can be used in low bake powder coating applications.

**General Information  
(cont.)**

6. Tape can be used for multiple bake cycles.
7. The smoothness of the backing makes this tape very “user friendly.”
8. Tape 2394 has excellent paint flake resistance.
9. The balanced construction with a stronger backing gives this tape easy removal.
10. Can be left on job for an extended period of time and still remove cleanly.
11. Backing strength allows tape to be removed pulling through modern tough paints.
12. Tape 2394 should not be subjected to outdoor exposure or prolonged exposure to sunlight. Tape may become very difficult to remove.

**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.

**Features**

<u>FEATURES</u>	<u>ADVANTAGES</u>	<u>BENEFITS</u>
Rubber adhesive	Instant adhesion	Sticks easily/allows fast application
	Excellent holding power	Resists lifting or curling/ helps minimize rework
	Superior adhesive transfer resistance	Clean removal/helps minimize labor required to remove transferred adhesive
	Excellent high temperature performance	Holds firmly under heat strain yet removes cleanly
Mini-crepe paper backing	Smoothness	Excellent surface contact/ secure holding/user friendly
	Thinness	Sharp paint line/quality paint job
	Dead stretch	Minimal recovery/helps reduce rework
	Conformability	Easy handling/allows fast application

Features (cont.)	<u>FEATURES</u>	<u>ADVANTAGES</u>	<u>BENEFITS</u>
	Backing saturant	Solvent and moisture resistance	Minimizes bleed-through and rework
		Easy tear	Excellent handling/helps reduce waste
	Special backsize treatment	Controlled unwind	Easy to use/helps reduce waste
		Good paint flaking resistance	Minimizes rework/clean paint shop environment

**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**

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**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