



High Temperature Masking Tape

2693

FOD# 1585

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Technical Data

January 1, 1999

Supersedes September 1, 1998

Product Description A smooth, heavy duty, mini-crepe paper masking tape suitable for most paint masking applications. Designed for automotive, truck and bus applications where very aggressive room temperature and high temperature holding is required.

Product Construction Backing: A smooth mini-crepe paper treated with a heat resistant saturant.
Adhesive: Synthetic rubber
Color: Tan
Standard Roll Length: 60 yds. (55m)
Available in metric dimensions (e.g., 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:	50 oz./in. width (54 N/100mm)	D-3330
Tensile Strength:	24 lbs./in. width (420 N/100mm)	D-3759
Elongation at Break:	8%	D-3759
Tape Thickness:	.0085 in. (0.21mm)	D-3652
Temperature Use Range:	Up to 325° F (163° C) for 30 min.	

- General Information**
1. Tape 2693 offers excellent paint mask performance with high solids paints and urethane clear coats used in the transportation industry.
 2. The holding power of this tape resists the most stringent applications and bake cycles.
 3. Tape can be removed warm or cold from most surfaces without adhesive transfer.
 4. Tape 2693 has been laboratory tested on painted steel panels and found to remove cleanly at bake temperatures up to 325° F (163° 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 your performance limits.

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**General Information
(cont.)**

5. Tape 2693 has excellent conformability and tear properties.
6. The smoothness of the backing makes this tape very “user friendly.”
7. Tape 2693 has excellent paint flake resistance.
8. The balanced construction with a stronger backing gives this tape easy removal properties without slivering.
9. Tape 2693 has good resistance to adhesive transfer on automotive type rubber moldings when removed at room temperature.
10. Tape 2693 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>
Synthetic 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
	Excellent high temperature performance	Holds firmly under heat strain yet removes cleanly
Mini-crepe paper backing	Smoothness	Good surface contact/ secure holding/user friendly
	Dead stretch	Minimal recovery/helps minimize rework
	Conformability	Easy handling/helps minimize time involved
Backing saturant	Solvent and moisture resistance	Good resistance to bleed-through/minimizes rework
	Easy tear	Good handling/helps minimize waste
Special backsize treatment	Controlled unwind	Easy to use/helps minimize waste
	Good paint flaking resistance	Clean paint shop environment/helps minimize rework

**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.

Limitation of Liability

Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including contract, warranty, negligence, or strict liability.



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