



Performance Masking Tape

2380

FOD# 1765

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Temporary Technical Data

September 30, 1999

Product Description A smooth, strong, mini-crepe paper masking tape suitable for most paint masking applications. Designed for industrial use where a good paint line is desired and drying conditions range from air dry to an oven bake.

Product Construction Backing: A smooth crepe paper treated with a heat and solvent resistant saturant.
Adhesive: Natural/synthetic rubber blend
Color: Tan
Standard Roll Length: 55m (60.17 yds.)
Available in metric widths (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:	43 oz./in. width (47 N/100mm)	D-3330
Tensile Strength:	27 lbs./in. width (472 N/100mm)	D-3759
Elongation at Break:	10%	D-3759
Tape Thickness:	7.5 mils (0.190mm)	D-3652
Temperature Use Range:	Up to 325°F (163°C) for 30 mins.	

General Information

1. This strong, smooth masking tape embodies all the features that are desirable of a paint masking tape.
2. This tape has excellent conformability and easy tear.

General Information
(cont.)

3. Tape 2380 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 if it meets your needs.
4. The adhesive of 2380 has a high degree of holding to most surfaces.
5. The unique balance of adhesive and backing provides a high degree of resistance to tearing or slivering on removal.
6. Tape 2380 should not be subjected to outdoor exposure or prolonged periods of sunlight. Tape may become very difficult to remove.
7. Tape 2380 is manufactured in an ISO 9002 registered plant to meet worldwide quality standards.

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.

Application Ideas

This superior masking tape is designed specifically for use where high cure temperatures are required. Tape 2380 is conformable, hugs curves and contours, goes on quickly and easily, sticks at a touch and stays put. Tape 2380 produces an excellent finished paint line. Every feature is balanced to give outstanding masking results. This product is well suited for paint masking on automobiles, aircraft, trucks, buses and boats.

Features

<u>FEATURES</u>	<u>ADVANTAGES</u>	<u>BENEFITS</u>
Natural rubber/synthetic blend adhesive	Instant adhesion	Sticks easily/allows fast application
	Good holding power	Resists lifting or curling/ helps reduce rework
	Superior adhesive transfer resistance	Clean removal/helps reduce labor
Controlled crepe paper backing	Smoothness	Good surface contact/ provides secure holding
	Dead stretch	Minimal recovery/helps reduce rework
	Conformability	Easy handling/helps minimize time involved

Features (cont.)	<u>FEATURES</u>	<u>ADVANTAGES</u>	<u>BENEFITS</u>
	Backing saturant	Solvent and moisture resistance	Resists bleed-through/helps minimize rework
		Easy tear	Good handling/helps reduce waste
		Sliver resistance	Easy removal/reduces labor
	Special backsize treatment	Controlled unwind	Easy to use/helps reduce waste

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, but not limited to, contract, warranty, negligence, or strict liability.



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



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