



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.

		<u>ASTM TEST METHOD</u>
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 one hour	

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.

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



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