



# Masking Tape

## 2317

FOD# 1447

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### Technical Data

February 1, 1999

*Supersedes February 1, 1995*

**Product Description** A high temperature, high holding power tape suitable for most all Auto OEM paint masking applications.

**Product Construction** Backing: A smooth crepe paper treated with a heat and solvent resistant saturant.  
Adhesive: A rubber adhesive carefully designed to meet the requirements of automotive OEM paint masking.  
Color: Tan  
Standard Roll Length: 60 yds. (54.8m)

**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:	34 oz./in. width (37 N/100mm)	D-3330
Tensile Strength:	26 lbs./in. width (455 N/100mm)	D-3759
Elongation at Break:	11%	D-3759
Tape Thickness:	6.2 mils (0.16mm)	D-3652
Temperature Use Range:	Up to 250°F (121°C) for 40 minutes, removes cleanly	

- General Information**
1. This smooth masking tape embodies many features that are desirable in a paint masking tape. Its thinness is particularly beneficial in reducing paint edge build-up.
  2. This tape has excellent conformability and easy tear.
  3. Tape 2317 may be used in bake cycles up to 250°F (121°C) for 40 minutes.
  4. Backsize treatment provides excellent paint flake resistance.
  5. The unique balance of adhesive and backing provides a high degree of resistance to tearing or slivering upon removal from job.
  6. Tape 2317 should not be subjected to outdoor exposure or prolonged periods of sunlight exposure. Tape may become very difficult to remove.
  7. Tape 2317 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 Automotive OEM painting where high cure temperatures are required – especially in automobile and truck assembly plants. Tape 2317 is conformable, hugs curves and contours, goes on quickly and easily, sticks at a touch and stays put. Every feature is balanced to give outstanding masking results.

<b>Features</b>	<b><u>FEATURES</u></b>	<b><u>ADVANTAGES</u></b>	<b><u>BENEFITS</u></b>
	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 to remove transferred adhesive
	Controlled crepe backing	Smoothness	Excellent surface contact/ more secure paper holding
		Thinness	Sharp paint line/quality paint job
		Dead stretch	Minimal recovery/helps minimize rework
		Conformability	Easy handling/allows fast application
	Backing saturant	Solvent and moisture resistance	Minimizes bleed-through/ helps reduce rework
		Easy tear	Excellent handling/helps minimize application effort
		Sliver resistance	Easy removal/helps keep labor at a minimum
Special backsize treatment	Controlled unwind	Easy to use/aids masking application	
	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.

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



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