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3M

Premium High Temperature Masking Tape

2393

Technical Data

April, 2004

Product Description 3M™ Masking Tape 2393 is a smooth, heavy duty, mini-crepe, premium high temperature masking tape. It is specifically designed for those applications where easy removal after bake is important. This masking tape offers excellent paint mask performance with high solids paints and clear coats used in the transportation industry.

Construction	Backing	Adhesive	Color	Standard Roll Length
	Smooth mini-crepe paper treated with a heat resistant saturant.	Rubber	Tan	60 yds. (55 m)

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:	32 oz./in. width (36 N/100 mm width)	D-3330
Tensile Strength:	28 lbs./in.width (490 N/100 mm width)	D-3759
Elongation at Break:	11%	D-3759
Tape Thickness:	7.6 mils (0.185 mm)	D-3652
Temperature Use Range:	Up to 325°F (163°C) for 30 minutes	

- Features**
- The special adhesive offers excellent adhesion to and easy removability from both metal and plastic.
 - Tape can be removed hot, warm or cold from most surfaces without adhesive transfer.
 - The smoothness of the backing makes this tape very “user friendly.”
 - Rubber adhesive with instant adhesion that sticks easily and allows fast application.
 - Excellent holding power that resists lifting or curling and helps reduce rework.
 - Superior adhesive transfer resistance with clean removal that helps reduce rework.
 - Mini-crepe paper backing for excellent surface contact with very secure holding.
 - Dead stretch for minimal recovery that reduces rework.
 - Conformability and easy handling that reduces time involved.
 - Backing saturant is solvent and moisture resistance and reduces bleed-through to help reduce rework.
 - Easy tear and handling to help reduce waste.
 - Special backsize treatment that controls unwind, and helps reduce waste.

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Features (continued)

- Good paint flaking resistance that minimizes rework/clean paint shop environment.
- Designed for indoor use only as it should not be subjected to outdoor exposure or prolonged periods of sunlight as tape may become very difficult to remove.
- Excellent high temperature performance that holds firmly under heat strain yet removes cleanly.
- The balanced construction with a stronger backing gives this tape easy removal properties without slivering.
- Low unwind reduces workers' fatigue.
- Can be left on job for an extended period of time and still remove cleanly.
- Backing strength allows tape to be removed pulling through modern tough paints.

Storage

Store under normal conditions of 70°F (21°C) and 50% R.H. in the original carton.

Shelf Life

To obtain best performance, use this product within one year from date of manufacture.

Product Use

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors 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 Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.



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