

High-Temperature Masking Tape

213

Technical Data

July, 2003

IMPORTANT NOTICE: 3M has recently changed the backing of this product and the facility manufacturing this product. The following technical data is from tests conducted on samples taken from one production run of the tape at the new facility. 3M will continue to test samples from additional production runs and will issue a new technical data sheet if the test results change. 3M recommends you test this revised product to make sure it is fit for your particular purpose and suitable for your applications.

Product Description Scotch® Tape 213 is a very high-temperature resistant tape for use in masking and holding applications where temperatures reach 350°F (177°C) up to 30 minutes. This tape is generally the most transfer-resistant adhesive of all the 3M paper tapes, as the firm adhesive does not anchor itself as softer adhesives often do.

Construction	Backing	Adhesive	Color	Standard Roll Length
	Crepe paper	Rubber	Tan	60 yds. (54.8 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:	41 oz./in. width (45 N/100 mm width)	D-3330
Tensile Strength:	30 lbs./in. width (525 N/100 mm width)	D-3759
Elongation at Break:	9%	D-3759
Thickness:	6.5 mils (0.16 mm)	D-3652
Temperature Use Range:	Up to 350°F (177°C) up to 30 minutes	

- Features**
- Highly cured rubber adhesive for excellent high-temperature holding and adhesive transfer resistance to keep edge lifting minimized to help reduce rework and labor.
 - Specially treated crepe paper backing that is sliver resistant, conformable, easy tear, and solvent and moisture resistant to help reduce waste and labor.
 - Special backsize treatment to controlled unwind for easy use that helps reduce waste.
 - 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.

Scotch® High-Temperature Masking Tape

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- Application Information**
- The firm adhesive often makes Scotch® Tape 213 ideal for use on aluminum anodized surfaces.
 - Scotch® Tape 213 should be considered whenever treated metals, such as aluminum, are encountered and whenever a bake cycle exceeds one hour at 300°F (149°C) or a moderate tack tape is desired.
 - Scotch® Tape 213 has been laboratory tested on painted steel panels and found to remove cleanly at bake temperatures up to 350°F (177°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.

Storage Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% relative humidity in the original carton.

Shelf Life To obtain best performance, use this product within 12 months from date of manufacture.

For Additional Information To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit www.3M.com/industrialtape. Address correspondence to: 3M Industrial Adhesives and Tapes Division, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55144-1000. Our fax number is 651-778-4244. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

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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ISO 9002

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