

High-Temperature Masking Tape

213

Technical Data

February, 2011

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:	34 oz./in. width (37 N/100 mm)	D-3330
Tensile Strength:	27 lbs./in. width (480 N/100 mm)	D-3759
Elongation at Break:	10%	D-3759
Thickness:	6.0 mils (.152 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.

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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.

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ISO 9001:2008

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2008 standards.



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