Scotch™ 3M

High-temperature Masking Tape

213

1450

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Supercedes April 1, 1995

Product Description

A very high-temperature resistant tape for use in masking and holding applications where temperatures reach 350ºF (177ºC) up to one hour.

Product Construction

Backing: A smooth crepe paper treated with a high heat and solvent resistant saturant.

Adhesive: A firm rubber adhesive formulated for maximum transfer resistance and high holding power.

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.

		ASTM TEST METHOD
Adhesion to Steel:	36 oz./in. width (39 N/100mm)	D-3330
Tensile Strength:	25 lbs./in. width (438 N/100mm)	D-3759
Elongation at Break:	9%	D-3759
Tape Thickness:	6.1 mils (0.15mm)	D-3652
Temperature Use Range:	Up to 350ºF (177ºC)	

General Information

1. Tape 213 has the firmest and generally most transfer-resistant adhesive of all the Scotch™ paper tapes. Its firm adhesive does not anchor itself as softer adhesives often do.
2. This firm adhesive often makes Tape 213 ideal for use on aluminum anodized surfaces.
3. Tape 213 can be used in paint bake cycles up to 350ºF (177ºC) for one hour with clean, easy removal. If bake cycle exceeds one hour and the temperature is less than 350ºF (177ºC), then Tape 213 should be tested by customer to ensure clean removal.

General Information (cont.)

1. In general, on high-temperature tapes, performance is governed by total time, temperature, the surface the tape is applied to, and other coatings and conditions.
2. Tape 213 should not be subjected to outdoor exposure or prolonged periods of sunlight exposure. Tape may become very difficult to remove.
3. Tape 213 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 70ºF (21ºC) and 50% R.H. in the original carton.

Application Ideas

Tape 213 should be considered whenever treated metals, such as aluminum, are encountered. It should also be considered whenever a bake cycle exceeds one hour at 300ºF (150ºC) or wherever a moderate tack tape is desired.

Features

FEATURES	ADVANTAGES	BENEFITS
Highly cured rubber adhesive	Excellent high-temperature holding	Edge lifting minimized/helps reduce rework and labor
	Adhesive transfer resistance	Clean removal/helps reduce labor involved
Specially treated crepe paper backing	Sliver resistance	One piece removal/helps reduce labor involved
	Conformability	Easy handling/helps reduce time involved
	Easy tear	Hand tearable/helps reduce waste
	Solvent and moisture resistance	Resists bleed-through/helps reduce rework
Special backsize treatment	Controlled unwind	Easy to use/helps reduce waste

Technical Data

All physical properties, statements, and recommendations are either based on tests we believe to be reliable or our experience, but they are not guaranteed. 3M recommends each user determine the suitability of the masking paper, film or tape for the intended use.

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