



Technical Data Sheet

3M™ Scotch® High-Temperature Masking Tape 213



[Product Details](#)



[Regulatory Info/SDS](#)

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.

Product Features

- Highly cured rubber adhesive for excellent holding and high temperature adhesive transfer resistance
- Specially treated crepe paper backing that is sliver resistant, conformable, easy tear, and solvent and moisture resistant
- Special backsize treatment to controlled unwind for easy use
- Can be certified to ASTM D-6123 (replaces obsolete PPP-T-42C, Type I, CID-A-A-883B)
- 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

Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

Attribute Name	Test Method	Value
Color		Tan
Adhesive Type		Rubber
Backing		Crepe Paper
Total Tape Thickness	ASTM D3652	0.152 mm (6 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	23 °C (73 °F)	3.7 N/cm (34 oz/in) ¹
Elongation at Break	ASTM D3759		10 %
Tensile Strength	ASTM D3759		47.3 N/cm (27 lb/in)
Short Term Temperature Resistance			177 °C (350 °F) ²

¹ 304 mm/min (12 in/min)

² Short Term (minutes, hour)

Handling/Application Information

Application Examples

- 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 and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 12 months from date of manufacture.

Available Sizes

Attribute Name	Value
Standard Roll Length	54.8 m (60 yd)

Information

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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