

Technical Data Sheet

3M™ General Purpose Masking Tape 234

Product Description

3M™ General Purpose Masking Tape 234 is designed to be used in medium temperature paint bake operations.

Product Features

- Has been laboratory tested on painted panels and found to remove cleanly at bake temperatures of up to 250°F (121°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 if it meets your needs.
- 3M proprietary solvent-free adhesive sticks to most surfaces including metal, rubber, glass, plastic, and EPDM rubber moldings – while removing cleanly.
- Less aggressive adhesive paired with strong backing promotes easy removal.
- Tape may become difficult to remove if subjected to prolonged outdoor exposure.
- Has been tested and found to meet requirements of ASTM D 6123/ D6123M-97. 3M does not test each lot for compliance to this specification.

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

Property	Values	Additional Information
Backing	Smooth crepe paper with a heat resistant saturant	

Adhesive Type	Rubber
Color	Tan

Total Tape Thickness (mil)	5.9 mil	View 
Test Method: ASTM D3652		
Total Tape Thickness (mm)	0.15 mm	View 
Test Method: ASTM D3652		

Typical Performance Characteristics

Property	Values	Additional Information
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Tensile Strength	52.5 N/cm	View 
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Test Method: ASTM D3759

180° Peel Adhesion	3.5 N/cm	View 
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Test Method: ASTM D3330
Notes: 12 in/min (300 mm/min)

180° Peel Adhesion	32 oz/in	View 
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Test Method: ASTM D3330
Notes: 12 in/min (300 mm/min)

Tensile Strength (lb/in)	30 lb/in	View 
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Test Method: ASTM D3759

Elongation at Break (%)	10 %	View 
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Test Method: ASTM D3759

Short Term Temperature Resistance	250 °F	View 
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Test Condition: Short Term (minutes, hour)
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Short Term Temperature Resistance	121 °C	View 
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Test Condition: Short Term (minutes, hour)
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Available Sizes

Property	Values	Additional Information
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Standard Roll Length	55 m	View 
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Notes: Available in metric widths (eg, 24 mm corresponds to 1 inch).
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Standard Roll Length	60.17 yd	View 
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Notes: Available in metric widths (eg, 24 mm corresponds to 1 inch).
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Storage and Shelf Life

Store under normal conditions of 70°F (21°C) and 50% R.H. in the original carton.
To obtain best performance, use within 18 months from date of manufacture.

Bottom Matter

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Trademarks

3M is a trademark of 3M Company.

Handling/Application Information

Application Examples

- Designed for non-critical paint masking.
- Used throughout industry for holding, protecting, bundling and a vast number of other difficult jobs where a pressure sensitive tape is needed.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40067041/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=234

Family Group

Link Tags:

- 234

Products	Adhesive Type	Color	Total Tape Thickness (mm)	Tensile Strength	Short Term Temperature Resistance
234	Rubber	Tan	0.15 mm	52.5 N/cm	121 °C

ISO Statement

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

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