

February, 2016

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.



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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 | | Method |
|----------------------|---|---------|------------|
| Color | Tan | | |
| Total Tape Thickness | 0.15 mm | 5.9 mil | ASTM D3652 |
| Backing | Smooth crepe paper with a heat resistant saturant | | |
| Adhesive | Rubber | | |

Typical Performance Characteristics

| Property | Values | | Method | Substrate |
|-----------------------|-------------------------|-------------------------|------------|-----------------|
| Peel Adhesion | 3.5 N/cm | 32 oz/in | ASTM D3330 | Stainless Steel |
| Tensile Strength | 52.5 N/cm | 480 oz/in | ASTM D3759 | |
| Elongation at Break | 10 % | | ASTM D3759 | |
| Temperature Use Range | 30 minutes up to 121 °C | 30 minutes up to 250 °F | | |

Available Sizes

| Property | Values | | Notes |
|----------------------|--------|----------|---|
| Standard Roll Length | 55 m | 60.17 yd | Available in metric widths (eg, 24 mm corresponds to 1 inch). |

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Handling/Application Information

Application Ideas

- 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.

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.

Trademarks

3M is a trademark of 3M Company.

References

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

ISO Statement

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

Technical Information

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