

Technical Data Sheet

Scotch® Flatback Masking Tape 250

Product Description

Scotch® Flatback Masking Tape 250 is used for adhesion testing of paint and coatings. It was designed for bundling and holding applications where a stronger paper backing and aggressive adhesive are needed.



Product Features

- Aggressive rubber adhesive provides instant adhesion to a wide variety of surfaces.
- Certified to minimum 60 oz/inch adhesion to steel per ASTM D-3330 Method A.
- Lot code and date printed in the core.
- Treated flat stock backing has good tensile strength to resist breakage.
- Not recommended for outdoor exposure as it may become 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


Property	Values	Additional Information
Backing	Flat Stock Paper	
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 107 N/cm View 

Test Method: ASTM D3759

180° Peel Adhesion 9.2 N/cm View 

Test Method: ASTM D3330

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion 84 oz/in View 

Test Method: ASTM D3330


Notes: 12 in/min (300 mm/min)

Tensile Strength (lb/in) 61 lb/in View 


Test Method: ASTM D3759

Elongation at Break (%) 4 % View 

Test Method: ASTM D3759

Short Term Temperature Resistance 125 °F View 

Test Condition: Short Term (minutes, hour)

Short Term Temperature Resistance 52 °C View 

Test Condition: Short Term (minutes, hour)

Available Sizes

Property	Values	Additional Information
Standard Roll Length	54.8 m	
Standard Roll Length	60 yd	

Aging and Humidity Graphs

Storage and Shelf Life

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton. To obtain best performance, use this product within 18 months from date of manufacture.

Bottom Matter

3M

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Trademarks

Scotch is a registered trademark of 3M.

Handling/Application Information

Application Examples

- Scotch® Flatback Masking Tape 250 has is used for adhesion testing according to ASTM D-3359 and other similar methods.
- Scotch® Flatback Masking Tape 250 can be certified to meet ASTM D 6123 / D 6123M-97.
- PPP-T42C Type II and CID-A-A-883B are obsolete standards which have been replaced by ASTM D 6123 / D 6123M-97.
- 3M no longer qualifies Scotch® Flatback Masking Tape 250 to meet the inactive specification MIL-F-18264D.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40067091/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=250

Family Group

Link Tags:

• 250

Products	Backing	Adhesive Type	Color	Total Tape Thickness (mm)	Tensile Strength	Short Term Temperature Resistance
250	Flat Stock Paper	Rubber	Tan	0.15 mm	107 N/cm	52 °C

ISO Statement

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

Information

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