

Technical Data Sheet

3M™ Outdoor Masking Poly Tape 5903

Product Description

3M™ Outdoor Masking Poly Tape 5903 is designed for construction, remodeling and maintenance jobs. It is made with heavy duty polyethylene film and synthetic rubber adhesive. It is UV weather resistant and removes cleanly for up to one month with little or no adhesive residue on most opaque surfaces without deteriorating.

Product Features

- Clean removal from most opaque surfaces up to 30 days.
- UV resistant backing.
- Aggressive rubber adhesive grabs and adheres well to many surfaces.
- Hand tearable.
- Conformable backing.
- Red color for good visibility. Color insures that the tape is not accidentally left on.
- Excellent choice for outdoor holding and window and door masking jobs.

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	Polyethylene	

Adhesive Type	Synthetic Rubber
Color	Red

Total Tape Thickness (mil)	7.5 mil	View ^
Test Method: ASTM D3652		
Total Tape Thickness (mm)	0.19 mm	View ^
Test Method: ASTM D3652		

Typical Performance Characteristics

Property	Values	Additional Information
Tensile Strength	36.8 N/cm	View ^
Test Method: ASTM D3759		
180° Peel Adhesion	8.7 N/cm	View ^
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
180° Peel Adhesion	79 oz/in	View ^
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
Tensile Strength (lb/in)	21 lb/in	View ^
Test Method: ASTM D3759		
Elongation at Break (%)	72 %	View ^
Test Method: ASTM D3759		
Long Term Temperature Resistance	78 °C	
Long Term Temperature Resistance	173 °F	

Available Sizes

Property	Values	Additional Information
Standard Roll Length	54.8 m	
Standard Roll Length	60 yd	
Standard Width	48 mm	
Standard Width	1.88 in	

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

3M
Closure and Masking Systems Division
3M Center, Building 225-3S-06
St. Paul, MN 55144-1000
800-362-3550 • 877-369-2923 (Fax)
www.3M.com

Trademarks

3M is a trademark of 3M Company.

Handling/Application Information

Application Examples

- Ideal for overspray protection when masking substrates from coatings such as stucco, EIFS, gel coat, and construction coatings.
- Ideal for holding, bundling and securing.
- Can be used on surfaces such as window and door frames to protect them from damage during construction.
- Adhesive layer holds well to irregular surfaces such as sealed masonry or brick.
- Excellent for temporary repairs on the job.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40067068/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=5903

Family Group

Link Tags:

- 5903

Products	Adhesive Type	Color	Total Tape Thickness (mm)	Tensile Strength	Long Term Temperature Resistance
5903	Synthetic Rubber	Red	0.19 mm	36.8 N/cm	78 °C

ISO Statement

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

Information

Technical Information: The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

Product Selection and Use: Many factors beyond 3M’s control and uniquely within user’s knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer’s application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly

evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty, Limited Remedy, and Disclaimer: Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M’s option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

Disclaimer: 3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use. Unless specifically stated otherwise on the applicable product packaging or literature, these products are not intended, labeled, or packaged for sale to or use by consumers (e.g., for home, personal, primary or secondary school, recreational/sporting, or other uses not described in the applicable product packaging or literature), and must be selected and used in compliance with applicable health and safety regulations and standards (e.g., U.S. OSHA, ANSI), as well as all product literature, user instructions, warnings, and limitations, and the user must take any action required under any recall, field action or other product use notice. Misuse of 3M industrial and occupational products may result in injury, sickness, or death. For help with product selection and use, consult your on-site safety professional, industrial hygienist, or other subject matter expert. For additional product information, visit www.3M.com.