



Technical Data Sheet

3M™ Scotch® Fine Line Tape 218

Product Description

Scotch® Fine Line Tape 218 is a high-performance film backed tape with low profile and high adhesion to achieve excellent paint lines and for other masking and holding applications.

Product Features

- Will give an excellent color line separation due to its thinness.
- The specially processed film backing stretches easily for smooth curves, yet can be easily torn by hand with a quick tearing action.
- Specially processed film backing will allow taping over fresh paint jobs sooner than paper tapes with less chance of imprint damage.
- Has excellent moisture and solvent resistance.
- Not considered a high temperature tape but could be used on bake cycles up to 250°F (121°C) for up to 30 minutes.
- Should not be subjected to outdoor exposure or prolonged periods of sunlight as tape 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	Polypropylene plastic film	
Adhesive Type	Rubber adhesive with an ideal balance of properties for masking use	
Color	Green, matte finish	
Total Tape Thickness (mil)	5 mil	View
Test Method: ASTM D3652		
Total Tape Thickness (mm)	0.13 mm	View
Test Method: ASTM D3652		

Typical Performance Characteristics

Property	Values	Additional Information
Tensile Strength	22.8 N/cm	View 
Test Method: ASTM D3759		
180° Peel Adhesion	4 N/cm	View 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
180° Peel Adhesion	37 oz/in	View 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
Tensile Strength (lb/in)	13 lb/in	View 
Test Method: ASTM D3759		
Elongation at Break (%)	720 %	View 
Test Method: ASTM D3759		
Short Term Temperature Resistance	250 °F	
Short Term Temperature Resistance	121 °C	

Available Sizes

Property	Values	Additional Information
Standard Roll Length	54.9 m	
Standard Roll Length	60 yd	

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 this product within 12 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

Scotch is a registered trademark of 3M.

Handling/Application Information

Application Examples

- Fine Line paint masking
- Can sealing
- Circuit board conformal coat masking
- Solvent resistant masking
- Electroplating stop off masking, non-critical
- Silk screen masking
- Circuit board splash mask protection
- Lettering
- Moisture resistant masking
- Labeling (surface writable)

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40067079/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=218

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.