

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

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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

Family Group

Link Tags:

• 218

Products	Total Tape Thickness (mm)	Tensile Strength
218	0.13 mm	22.8 N/cm

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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