

December, 2007

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.



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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	Green, matte finish		
Total Tape Thickness	0.13 mm	5 mil	ASTM D3652
Backing	Polypropylene plastic film		
Adhesive Type	Rubber adhesive with an ideal balance of properties for masking use		

Typical Performance Characteristics

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

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Available Sizes

Property	Values	
Standard Roll Length	54.9 m	60 yd

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)

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.

Trademarks

Scotch is a registered trademark of 3M.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/company-us/all-3m-products/~~/Scotch-Fine-Line-Tape-218/?N=5002385+3293241622&rt=rud
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

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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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Information

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