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# Scotch® Fine Line Tape 218



## Technical Data

December, 2007

**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 Construction	Backing	Adhesive	Color	Standard Roll Length
	Polypropylene plastic film	Rubber adhesive with an ideal balance of properties for masking use	Green, matte finish	60 yds. (54.9 m)

**Typical Physical Properties** **Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.**

		ASTM Test Method
Adhesion to Steel:	37 oz./in. width (40 N/100 mm)	D-3330
Tensile Strength:	13 lbs./in. width (228 N/100 mm)	D-3759
Elongation at Break:	720%	D-3759
Tape Thickness:	5.0 mils (0.13 mm)	D-3652
Temperature Use Range:	Up to 250°F (121°C) for 30 minutes	

## 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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<b>Application Ideas</b>	<ul style="list-style-type: none"><li>• Fine Line paint masking</li><li>• Circuit board conformal coat masking</li><li>• Electroplating stop off masking, non-critical</li><li>• Circuit board splash mask protection</li><li>• Moisture resistant masking</li></ul>	<ul style="list-style-type: none"><li>• Can sealing</li><li>• Solvent resistant masking</li><li>• Silk screen masking</li><li>• Lettering</li><li>• Labeling (surface writable)</li></ul>
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<b>Storage</b>	Store under normal conditions of 70°F (21°C) and 50% R.H. in the original carton.
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<b>Shelf Life</b>	To obtain best performance, use this product within one year from date of manufacture.
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<b>Product Use</b>	All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.
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This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.

**Industrial Adhesives and Tapes Division**

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