

Scotch™ Brand No. 218 Fine Line Tape

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DESCRIPTION: A high performance film backed tape with low profile and high adhesion to achieve excellent paint lines and for other masking and holding applications.

CONSTRUCTION:

Backing:	Polypropylene plastic film
Adhesive:	A rubber adhesive designed with an ideal balance of properties for masking use
Color:	Green, matte finish
Standard Roll Length:	60 yards (54.8 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:	39 oz./in. width (43 N/100 mm)	D-3330
Tensile Strength:	13 lbs./in. width (228 N/100 mm)	D-3759
Elongation at Break:	490%	D-3759
Total Tape Thickness:	4.8 mils (0.12 mm)	D-3652
Temperature Use Range:	Up to 250°F (121°C)	

GENERAL INFORMATION:

1. No. 218 will give an excellent color line separation due to its thinness.
2. The specially processed film backing stretches easily for smooth curves, yet can be easily torn by hand with a quick tearing action.
3. The specially processed No. 218 film backing will allow taping over fresh paint jobs sooner than paper tapes with less chance of imprint damage.
4. No. 218 has excellent moisture and solvent resistance.
5. No. 218 is not considered a high temperature tape but could be used on bake cycles up to 250°F (121°C) for up to 30 minutes.
6. No. 218 should not be subjected to outdoor exposure or prolonged periods of sunlight.
7. No. 218 can be qualified to meet Military Specification MIL-T-21595D Amendment 2 type III.
8. Product No 218 is manufactured in an ISO 9002 registered plant to meet worldwide quality standards.

SHELF LIFE:

To obtain best performance, use this product within one year from date of manufacture and store under normal conditions of 70°F (21°C) and 50% R.H. in the original carton.

POSSIBLE USES:

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| 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) |

FEATURES

ADVANTAGES

BENEFITS

Film backing	Conformability	Virtually no recovery and lift on curves/reduces rework
	Smoothness	Minimizes chance of imprint damage/minimizes rejects
	Thinness	Minimum edge build-up/ superior paint job
	Solvent and moisture resistance	Resists bleed-through/reduces rework
	Easy hand tear	Easy handling/labor savings
Matte finish backing	Good paint anchorage	Resists flaking and paint runs/reduces rework
Balanced rubber adhesive	Instant adhesion	Sticks easily/reduces labor
	Good holding power	Resists lifting or curling/reduces rework
	Adhesive transfer resistance	Clean removal/reduced labor
Special backsize treatment	Controlled unwind	Easy to use/minimizes waste

Technical Data: All physical properties, statements, and recommendations are either based on tests we believe to be reliable or our experience, but they are not guaranteed. 3M recommends each user determine the suitability of the masking paper, film or tape for the intended use.

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