

3M Science.
Applied to Life.™

Automotive Painting Simplified.

It's about achieving the highest quality finish in the least amount of time. That's what 3M™ Tapes offer automotive painters. Plus, the broadest selection available in the market.






3M™ Masking Tapes for surface protection, sharp paint lines and easy removal.


3M™ Vinyl Tapes stretch, conform and hold to curves, then lift off cleanly.




3M™ E XPP Washi Tapes provide a thin paint ridge and clean removing acrylic adhesive.




3M™ Paint Masking Films are highly conformable for fiber free and power wash processes.



Masking Tapes		3M™ Specialty High Temperature Purple Masking Tape 501+ Super-sharp paint lines for high temperature masking jobs. Ultra-high strength holding power to prevent paint blow-by on a variety of surfaces.
		3M™ High Performance Green Masking Tape 401+ For critical paint masking applications requiring a strong hold. Conformable for easy masking around corners, over contours, and irregular surfaces.
		3M™ Premium High Temperature Masking Tape 2393 This high heat resistant, mini crepe paper tape is made to lift off cleanly after high temperature paint-bake operations.
		Scotch® Ultimate Paint Edge Masking Tape 2460 The ultra-thin backing produces a virtually undetectable low paint ridge that results in sharp, smooth paint lines, yet this tape is strong enough to pull through paint and caulk without ripping. Unique acrylic adhesive technology offers good, instant adhesion.
		3M™ EXPP Washi Tape Thin backing provides a low paint ridge and clean removing acrylic adhesive. Slightly thicker and stronger than 2460; provides better sliver and tear resistance.

Fine Line Tapes		Scotch® Fine Line Tape 218 The polypropylene backing is stiffer than vinyl fine line tapes, while conforming easily around corners. Good moisture and solvent resistance. Used as a layout tape for high value, multi-color and custom painted graphics.
		Scotch® High Temperature Fine Line Tape 4737 Smooth, vinyl backing provides conformability for sweeping curves and straight lines. Removes cleanly. Available in: opaque blue (4737S), translucent blue (4737T) and with a liner (4737TL, 4737SL).
		Scotch® High Temperature Fine Line Tape 4735 A highly conformable tape used to achieve sharp contrast and color separation while painting on highly contoured, curved and shaped surfaces. Holds in depressions, and around corners and edges. Also available with a liner (4735L).
		3M™ Vinyl Tape 471+ A conformable tape with a semi-translucent backing. This durable tape is flexible and removes cleanly even after bake cycles, without adhesive build-up or ghosting. Provides some visual clarity for alignment during application.

Extreme Temp. Tapes		3M™ Polyester Tape 875 This thin, high strength film provides a degree of conformability while meeting low caliper requirements. Coated with a non-silicone adhesive, this tape works in demanding conditions.
		3M™ Polyester Tape 8992 A general purpose tape that excels in high temperature masking operations such as powder coat painting. Pressure-sensitive silicone adhesive performs in temps from -60° to 400°F (-50° to 204°C).
		3M™ High Temperature Aluminum Foil/Glass Cloth Tape 363 A strong and flexible tape with high tensile strength; puncture and tear resistance. Adheres well to silicone surfaces and over irregular or uneven substrates.

Specialty Products		3M™ Aluminum Foil Tape 425 Withstands a variety of moisture, weathering, UV and solvents in order to provide an excellent work life, indoors or out.
		3M™ High Temperature Protective Bags & Sheets 7260M For masking jobs in high-heat bake cycles. Excellent conformability with easy handling. Best for covering large surfaces. Available in translucent bags and perforated or continuous sheets.
		3M™ High Temperature Paint Masking Film 7300 Designed for soft flexing. Provides good drape and conformability. Eliminates fiber that can occur with masking papers. Protects where bleed-through of solvents and paints may occur.

		FEATURES							APPLICATIONS			
Conformability	Bake Cycle temps up to	Chemical Resistance	Clean Removal	Sharp Paint Lines	OEM High Temperature	OEM Wet-pull	OEM Final Repair	Automotive Fascia	Specialty Vehicles	Key Features		
M	300°F 149°C	•	•	•				•	•	Strong holding power in high temperature processes		
M	250°F 121°C	•	•		•	•			•	High performance crepe for medium temp bake processes		
M	325°F 163°C	•			•				•	Easy removal after baking		
L	300°F 149°C	•	•	•			•	•	•	Thin paint ridge		
L	300°F 149°C	•	•	•			•	•	•	Thin paint ridge, strong backing, highly visible color		
M	250°F 121°C	•	•		•	•			•	Balanced conformability		
M	300°F 149°C	•	•	•				•	•	Balanced conformability		
H	300°F 149°C	•	•	•				•	•	Highly conformable and resists lifting		
H	250°F 121°C	•	•		•	•			•	Excellent for conforming to surface contours		
M	400°F 204°C	•	•	•					•	For thin paint ridge or higher bake temp		
M	400°F 204°C	•	•	•	•		•		•	Excels in powder coat painting/anodizing		
M	600°F 316°C	•	•	•			•		•	Puncture and tear resistance		
L	300°F 149°C	•	•		•		•		•	Ideal for heat shielding and de-paint operations		
H	315°F 157°C	•			•				•	Large (vehicle sized) masking film bags		
H	310°F 154°C	•			•	•	•	•	•	Soft flexing film with excellent drape and conformability		



Scotch® Fine Line Tape 218



Technical Data

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.

Scotch® Fine Line Tape

218

Application Ideas

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

Storage

Store under normal conditions of 70°F (21°C) and 50% R.H. in the original carton.

Shelf Life

To obtain best performance, use this product within one year from date of manufacture.

Product Use

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.

Warranty and Limited Remedy

Unless stated otherwise in 3M's product literature, packaging inserts or product packaging for individual products, 3M warrants that each 3M product meets the applicable specifications at the time 3M ships the product. Individual products may have additional or different warranties as stated on product literature, package inserts or product packages. 3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. If the 3M product is defective within the warranty period, your exclusive remedy and 3M's and seller's sole obligation will be, at 3M's option, to replace the product or refund the purchase price.

Limitation of Liability

Except where prohibited by law, 3M and seller will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.

- Thin tape provides excellent color line separation
- Proven excellent for painting long straight lines and smooth curves
- Resistant to most solvents and moisture

Scotch® Fine Line Tape 218 is a high-performance polypropylene plastic tape that has both a low profile and high adhesion for use in painting long straight lines and sweeping curves where a crisp, sharp paint line is desired. It is often used as a layout tape for high value multi-color and custom painted graphics.

Perfect Your Straight Lines and Sweeping Curves

Scotch® Fine Line Tape 218 features a natural rubber pressure adhesive capable of delivering the high instant adhesion necessary for critical, large-scale paint applications. This tape has proven itself to be ideal for painting long, straight lines as well as smooth, sweeping curves. The polypropylene backing is stiffer than vinyl fine line tapes, while conforming easily around corners. [Scotch® Fine Line Tape 218](#) features good moisture and solvent resistance. It resists heat in bake cycles that reach 250°F/121°C for up to 30 minutes.

Recommended Applications

- Fine line paint masking
- Specialty vehicle, marine and aerospace paintjobs



The tape's low profile and high adhesion gives excellent color line separation



Available in a variety of widths to match your project specifications

Accomplish Sharp Color Separation with 3M Fine Line Tapes

As a recognized pioneer and leading designer in industrial tapes, adhesives and more, 3M has developed a collection of fine line tapes suitable for even the most critical of paint masking applications. These tapes feature industry-leading technology in their capability to separate colors while preventing soak-in, edge-lifting and more.

Rely on premium tapes by 3M if you're looking for quality and efficiency.