



Technical Data Sheet

Scotch® High Performance Fine Line Tape 4740



Additional Info

Regulatory
Info/SDS

Product Description

Scotch® High Performance Fine Line Tape 4740 is a highly conformable tape with a solventless acrylic adhesive system, used to achieve sharp paint lines and excellent clean removal. It has proven successful in high-temperature painting applications requiring a conformable tape. It is designed for use in two-tone automotive OEM paint masking applications.

Product Features

- Polyolefin backing is highly conformable and is PVC free.
- High temperature solventless acrylic adhesive is designed to remove cleanly with no edge residue or ghosting, this tape offers our best clean removal performance on most surfaces.
- Water-based adhesive reduces solvent use by 80% compared to similar 3M solvent based fine line tapes.
- Adhesive provides reliable holding power, adhering to complex surfaces without lifting.
- Heat resistant in bake cycles up to 180°C (356°F) for 10 minutes or 160°C (320°F) for up to 60 minutes. Remove warm at 70-150°F (21-65°C) for best results.
- High-temperature adhesive quickly sticks with confidence to most surfaces.
- Adheres to intricate surfaces and sharp curves for precise application.
- Sharp paint lines.

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

Attribute Name	Test Method	Value
Color		Yellow
Adhesive Type		Acrylic
Backing		Polyolefin film
Total Tape Thickness	ASTM D3652	0.13 mm (5.2 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Test Condition	Value
180° Peel Adhesion	ASTM D3330	23 °C (73 °F)		2.3 N/cm (21 oz/in) ¹
Elongation at Break	ASTM D3759			1,353 %
Tensile Strength	ASTM D3759			42.7 N/cm (24.4 lb/in)
Temperature Use Range			Removable Application	160 °C (320 °F)
Temperature Use Range				180 °C (356 °F)
Temperature Use Range note				Up to 10 min for removable applications

¹ 304 mm/min (12 in/min)

Handling/Application Information

Application Examples

Ideal for two tone painting at automotive OEMs.
Designed to handle high temperature applications and multiple bake cycles.
Can be used for temporary protection of some metal, painted, plastic, and rubber surfaces.

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 12 months from date of manufacture.

Available Sizes

Attribute Name	Value
Standard Roll Length	50 m (54.6 yd)

Information

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

3M™ Industrial Adhesives and Tapes Division
3M Center, St. Paul, MN 55144-1000
3M.com/iatd

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