

# Technical data sheet



Product: 4740

Manufacturer: 3M DEUTSCHLAND GMBH

Product group: KLEBEBAND

Article group: EINSEITIG

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## SCOTCH® FINE LINE TAPE 4740

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Tewipack Uhl GmbH  
Industriestraße 15  
D-75382 Althengstett

Telephone:  
+49(0)7051/9297-0  
Fax:  
+49(0)7051/9297-99

E-Mail:  
info@tewipack.de  
Website:  
www.tewipack.de

Managing director:  
Alexander Uhl,  
Michael Uhl  
HRB 330424  
Amtsgericht  
Stuttgart

Bank details:  
Sparkasse  
Sindelfingen  
Pforzheim  
Calw  
BLZ 666 500  
85  
Konto 17 787

Commerzbank  
Sindelfingen  
BLZ 603 400 71  
Konto 8 001 166

Vereinigte  
Volksbank AG  
Böblingen  
BLZ 603 900 00  
Konto 80 089  
003

Postbank  
Stuttgart  
BLZ 600 100  
70  
Konto 146  
294 708



# Technical Data Sheet

## Scotch® High Performance Fine Line Tape 4740



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### 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

### Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	22 °C	2.3 N/cm <sup>1</sup>
Elongation at Break	ASTM D3759		1,353 %
Tensile Strength	ASTM D3759		42.7 N/cm
Temperature Use Range			160 °C <sup>2</sup>
Temperature Use Range			180 °C <sup>3</sup>

<sup>1</sup> 12 in/min (300 mm/min)

<sup>2</sup> 160°C (320°F) for up to 60 minutes

<sup>3</sup> 180°C (356°F) for 10 minutes

## **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**

<b>Attribute Name</b>	<b>Value</b>
Standard Roll Length	50 m

## **Information**

### **Information:**

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## **ISO Statement**

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

3M™ Centre  
Cain Rd, Binfield, Bracknell RG12 8HT, United Kingdom  
[3m.co.uk/iatd](http://3m.co.uk/iatd)

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