

Product Information

Fineline tape for design painting in the automotive industry

tesa® 4174 is a flexible, temperature resistant PVC fineline masking tape with a rubber adhesive for a wide range of automotive design painting requirements. The 110 µm/4.33 mils thickness helps to implement good and sharp paint edges and still offers good conformability.

With a temperature resistance of 150°C/302°F per 1h, tesa® 4174 withstands most masking applications in the automotive paint shop.

Standardized and customized applicators for tesa® 4174 are available to ensure efficient tape application and yet reproducible masking design.

Main features:

- Excellent masking performance on painted and non-painted substrates
- No ghosting or residue until 150°C/302°F per 1h
- Good conformability with multidimensional surfaces
- Edge does not lift off and residue-free removal

Main Application

tesa® 4174 is suitable for various types of masking applications.

Example applications are:

- Masking of painted and non-painted substrates (e.g. automotive plastic parts) that require sharp and flat paint edges
- Two-tone car body masking

To ensure the highest performance possible, our aim is to fully understand your application (including the substrates involved) in order to provide the right product recommendation.

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Technical Data

• Backing material	PVC film	• Tensile strength	25 N/cm
• Total thickness	110 µm		14.3 lbs/in
	4.3 mils	• Temperature resistance	150 °C
• Type of adhesive	natural rubber		302 °F
• Elongation at break	200 %	• Temperature resistance (PP-EPDM)	150 °C
			302 °F
		• Temperature resistance (paint)	150 °C
			302 °F

Adhesion to

- steel 3.7 N/cm
33.8 oz/in

tesa® 4174

Product Information



Properties

• Hand tearability	●●●●	• Sharp color edge	●●●●
• Easy to remove	Yes	• Powerwash resistance	●●●●
• Suitable for die cutting	Yes	• Conformability	●●●●
• Paint anchorage	●●●●	• Flame retardant	●●●●

Evaluation across relevant tesa® assortment: ●●●● very good ●●● good ●● medium ● low

Additional Information

tesa® 4174 in small width (<10mm): adhesion to steel = 2,4N/cm 21.9 oz/in

tesa® 4174 is also available for converting and die-cutting with a paper liner 4174 PV4: adhesion to steel = 4,4N/cm, peel off force from liner = 14 cN/cm 1.3 oz/in

Also available as customized die cuts upon request as tesa® 54174

Disclaimer

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.



For latest information on this product please visit
<http://l.tesa.com/?ip=04174>