

tesa® 4174

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 Data

▪ Backing material	PVC film	▪ Tensile strength	25 N/cm
▪ Total thickness	110 µm	▪ Temperature resistance	14.3 lbs/in
	4.3 mils	▪ Temperature resistance	150 °C
▪ Type of adhesive	natural rubber	▪ Temperature resistance (PP-EPDM)	302 °F
▪ Adhesion to steel	3.7 N/cm	▪ Temperature resistance (paint)	150 °C
	33.8 oz/in		302 °F
▪ Elongation at break	200 %		150 °C
			302 °F

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

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Properties

▪ Hand tearability	●●●●	▪ Powerwash resistance	●●●●
▪ Easy to remove	yes	▪ Conformability	●●●
▪ Suitable for die cutting	yes	▪ Flame retardant	●●●●
▪ Paint anchorage	●●●●		
▪ Sharp color Edge	●●●●		

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

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