

Product Information

High-temperature PET masking film for automotive paint jobs

tesa® 51108 combines a polyester backing and a thermosetting adhesive to achieve the optimal performance for high-quality automotive paint jobs. The temperature resistance of up to 150°C/1h and the high tensile strength provide an ideal usage for two-tone painting on car bodies at the automotive OEM or on bumpers at OES, especially if long straight lines are required. Due to the low thickness of 54 µm, the tape creates extra sharp paint lines.

Standardized and customized applicators for tesa® 51108 are available to ensure efficient tape application.

Main features:

- Thin PET film for straight and thin paint lines
- High tensile strength for easy demasking without the tape tearing
- Residue-free removal up to 150°C/1h

Main Application

tesa® 51108 is suitable for various types of masking applications.

Example applications are:

- Two-tone painting at temperatures up to 150°C/1h
- Masking of straight lines on car bodies or bumpers

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	PET film	• Tensile strength	47 N/cm
• Total thickness	54 µm	• Temperature resistance	150 °C
• Type of adhesive	natural rubber	• Temperature resistance (PP-EPDM)	150 °C
• Elongation at break	120 %	• Temperature resistance (paint)	150 °C

Adhesion to

- steel 3.3 N/cm

Properties

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

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

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Additional Information

To prevent adhesive picking at the edges, which can lead to problems in the paint process, the material has to be stored in original packaging and in a clean and particle free environment.

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.



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