

Product Information

Flange masking tape in the automotive industry

tesa® 7140 PV0 consists of a laminate of PVC film with a PET film. It combines the preferred features of both materials: The PVC film ensures high paint adhesion to the backing and increases the flexibility of the tape, while the use of the PET layer results in a high tensile strength. These properties are important in the automotive industry, as they allow the masking of window flange areas prior to paint processes, thus eliminating the need for additional surface treatment steps (such as primer) during the application of the window panes. Instead, the window pane can be directly bonded to the e-coated window flange area.

tesa® 7140 PV0 is highly compatible with all relevant e-coats/fillers and window glues. The high temperature resistance of up to 170°C ensures that the tape works in most oven and baking processes in automotive paint shops. tesa® 7140 PV0 can be applied manually, semi-manually (hand applicators), or completely automatically (robot dispensers).

Main features:

- PET layer allows smooth demasking without the tape tearing
- PVC layer for high paint adhesion to avoid overspray in window flange areas
- High temperature resistance up to 170°C/1h for most paint shop processes

Main Application

tesa® 7140 PV0 is suitable for window flange masking in the automotive industry (e.g. windshield, sunroof).

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	• Elongation at break	130 %
• Total thickness	168 µm	• Tensile strength	73 N/cm
• Type of adhesive	natural rubber	• Temperature resistance	170 °C

Adhesion to

- steel 4.0 N/cm

Properties

- Easy to remove Yes ●●●●
- Paint anchorage ●●●●
- Conformability ●●●●

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

Additional Information

The product design of tesa® 7140 allows convenient application both by hand and robot and is also suitable for converting and die-cutting. In case of fully automatic applications the best-before-date for spools is max. 12 months under recommended storage conditions.

tesa® 7140

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