

tesa® 62504

Product Information

400 µm double sided PE foam tape

Product Description

tesa® 62504 is a double-sided adhesive tape with a 400 µm thick black PE foam backing and tackified acrylic adhesive. It is used for mounting control panels, displays, small trims, decorative panels, emblems, and nameplates among many other applications in home appliances. The black color provides an almost invisible bond line, and its conformability ensures secure bonding on uneven surfaces, compensating for design tolerances.

The tackified acrylic adhesive features a high initial and ultimate adhesion performance on MSE plastics like ABS, PC, and PMMA, as well as on MSE clear coats combined with an excellent temperature resistance. The PE foam backing also provides non-sticky edges resulting in excellent converting properties, e.g. for die cutting. Additionally, the tape combines high cohesive strength with a comparatively low density contributing positively to a low weight design.

Product Features

- Thin foam backing for an invisible design gap
- High ultimate adhesion level for a reliable bonding performance
- Soft, conformable foam adapting to structured surfaces
- Fully outdoor suitable: UV, water and ageing resistant
- Suitable for manual and automatic application processes
- Excellent converting properties especially for filigree designs
- Excellent temperature resistance

Application Fields

tesa® 62504 is suitable for mounting a wide range of parts.

Example applications are:

- Control panels
- HMI displays
- Deco trims, Emblems & Nameplates

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

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Product Information

Technical Information (average values)

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

Product Construction

• Backing	PE foam	• Total thickness	400 µm
• Type of adhesive	tackified acrylic	• Color	black
• Type of liner	glassine	• Thickness of liner	69 µm

Properties/Performance Values

• Elongation at break	300 %	• Tack	good
• Tensile strength	9 N/cm	• Temperature resistance long term	80 °C
• Static shear resistance at 23°C	good	• Temperature resistance short term	80 °C
• Static shear resistance at 40°C	good		

Adhesion to Values

• ABS (initial)	13 N/cm	• PET (initial)	4 N/cm
• ABS (after 14 days)	15 N/cm	• PET (after 14 days)	4 N/cm
• Aluminium (initial)	6 N/cm	• PP (initial)	2 N/cm
• Aluminium (after 14 days)	9 N/cm	• PP (after 14 days)	3 N/cm
• PC (initial)	9 N/cm	• PVC (initial)	15 N/cm
• PC (after 14 days)	17 N/cm	• PVC (after 14 days)	17 N/cm
• PE (initial)	2 N/cm	• Steel (initial)	7 N/cm
• PE (after 14 days)	3 N/cm	• Steel (after 14 days)	11 N/cm

Additional Information

Liner:

- PV20 brown branded glassine paper (69 µm)

Peel Adhesion:

- after 14 days: foam splitting on Steel, Aluminium, ABS, PS, PET, PVC

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