

tesa® 51970

Transparent double-sided filmic tape

tesa® 51970 is a transparent double-sided tape consisting of a PP-film backing and a tackified adhesive.

tesa® 51970 features especially:

- Excellent combination of high tack and adhesion
- Secure bond even on critical materials such as PP and PE and rough surfaces
- Good temperature resistance and outdoor suitability

Main Application

- Mounting of plastic and wooden trims
- Mounting of decorative materials and displays
- Mounting of transparent signs and scales

Technical Data

▪ Backing material	PP film	▪ Tensile strength	50 N/cm
▪ Color	transparent	▪ Type of liner	28.6 lbs/in
▪ Total thickness	220 µm	▪ Color of liner	glassine
	8.7 mils	▪ Thickness of liner	brown
▪ Type of adhesive	tackified acrylic		71 µm
▪ Elongation at break	150 %		2.8 mils

Adhesion to

▪ Steel (initial)	13.0 N/cm	▪ Steel (after 14 days)	13.5 N/cm
	118.8 oz/in		123.3 oz/in
▪ ABS (initial)	11.3 N/cm	▪ ABS (after 14 days)	14.4 N/cm
	103.2 oz/in		131.6 oz/in
▪ Aluminium (initial)	10.2 N/cm	▪ aluminium (after 14 days)	12.8 N/cm
	93.2 oz/in		116.9 oz/in
▪ PC (initial)	12.3 N/cm	▪ PC (after 14 days)	15.0 N/cm
	112.4 oz/in		137 oz/in
▪ PE (initial)	5.4 N/cm	▪ PE (after 14 days)	6.8 N/cm
	49.3 oz/in		62.1 oz/in
▪ PET (initial)	9.9 N/cm	▪ PET (after 14 days)	12.5 N/cm
	90.4 oz/in		114.2 oz/in
▪ PP (initial)	6.8 N/cm	▪ PP (after 14 days)	8.8 N/cm
	62.1 oz/in		80.4 oz/in
▪ PS (initial)	11.8 N/cm	▪ PS (after 14 days)	13.4 N/cm
	107.8 oz/in		122.4 oz/in
▪ PVC (initial)	10.5 N/cm	▪ PVC (after 14 days)	17.0 N/cm
	95.9 oz/in		155.3 oz/in

For latest information on this product please visit <http://l.tesa.com/?ip=51970>

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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Properties

▪ Temperature resistance short term	130 °C	▪ Resistance to chemicals	● ● ●
	266 °F	▪ Softener resistance	● ● ●
▪ Temperature resistance long term	80 °C	▪ Static shear resistance at 73,4 °F	● ● ●
	176 °F	▪ Static shear resistance at 104 °F	● ● ●
▪ Tack	● ● ●		
▪ Ageing resistance (UV)	● ● ●		
▪ Humidity resistance	● ● ● ●		

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

Additional Information

Liner variants:

PV0 brown glassine paper (69 µm/2.7 mils; 80g/m²)

PV1 white paper liner (84 µm/3.3 mils; 102g/m²)

PV2 brown glassine paper (78µm/3.1 mils, 90g/m²)

PV6 red MOPP-film (80 µm/3.2 mils, 72g/m²)

A fingerlift version (extended liner), tesa® 61970, is also available.

According to VDA278 analysis, tesa 51970 does not contain any single substances restricted by the drafted GB regulations (China) as well as the indoor concentration guideline by Health, Labour and Welfare Ministry (Japan).

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