

tesa® 51970

Transparent double-sided filmic tape

PRODUCT INFORMATION

Product Description

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

tesa® 51970 features:

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

tesa® 51970 is suitable for mounting and bonding applications in the appliance industry.

Main Application

- Mounting of plastic and wooden trims
- Mounting of decorative materials and displays
- Mounting of transparent signs and scales
- Mounting and bonding in the appliance industry

Technical Data

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

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

Page 1 of 2 / As of 11/01/14

tesa tape, inc.

5825 Carnegie Boulevard
Charlotte, NC 28209
Phone: 704 554 0707
Toll Free: 800 426 2181
Fax: 800 852 8831
customer care@tesatape.com

Technical Tape México S.A. de C.V.

Av. Santa Fe No. 170
German Centre P 6-3-3Col.
Lomas de Santa Fe
Mexico D.F. C.P. 01210
Phone: +52 (55) 5292 6978
Fax: +52 (55) 5292 6977

Adhesion to

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

Properties

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

Evaluation across relevant tesa® assortment: ++ very good, + good, o medium, - low

Additional Info

Liner variants:
 PV0 brown glassine paper (65 µm)
 PV1 white glassine paper (84 µm)
 PV2 white embossed PP (85 µm)
 PV6 red MOPP-film (80 µm)

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

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

Page 2 of 2 / As of 11/01/14

tesa tape, inc.

5825 Carnegie Boulevard
 Charlotte, NC 28209
 Phone: 704 554 0707
 Toll Free: 800 426 2181
 Fax: 800 852 8831
 customercare@tesatape.com

www.tesatape.com

Technical Tape México S.A. de C.V.

Av. Santa Fe No. 170
 German Centre P 6-3-3Col.
 Lomas de Santa Fe
 Mexico D.F. C.P. 01210
 Phone: +52 (55) 5292 6978
 Fax: +52 (55) 5292 6977

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, expressed 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 advise you.