

tesa® 4970

Double-sided filmic tape with high adhesion

PRODUCT INFORMATION

Product Description

tesa® 4970 is a thick white double-sided self-adhesive tape consisting of a PVC-film backing and a tackified acrylic adhesive.

tesa® 4970 features:

- Excellent combination of high tack and immediate adhesion
- High coating weight for good bonding performance on rough or dusty surfaces
- Fully suitable for longterm applications
- Suitable for mounting and bonding applications in the appliance industry.

Main Application

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

Technical Data

■ Backing material	PVC film	■ Tensile strength	38 N/cm
■ Color	white	■ Type of liner	21.7 lbs/in
■ Total thickness	225 µm	■ Color of liner	glassine
	8.9 mils	■ Thickness of liner	brown
■ Type of adhesive	tackified acrylic	■ Weight of liner	71 µm
■ Elongation at break	20 %		2.8 mils
			82 g/m ²

Adhesion to

■ Steel (initial)	13.0 N/cm	■ Steel (after 14 days)	13.6 N/cm
	118.8 oz/in		124.3 oz/in
■ ABS (initial)	13.4 N/cm	■ ABS (after 14 days)	14.4 N/cm
	122.4 oz/in		131.6 oz/in
■ Aluminium (initial)	11.5 N/cm	■ aluminium (after 14 days)	12.6 N/cm
	105.1 oz/in		115.1 oz/in
■ PC (initial)	16.2 N/cm	■ PC (after 14 days)	16.9 N/cm
	148 oz/in		154.4 oz/in
■ PE (initial)	8.5 N/cm	■ PE (after 14 days)	9.1 N/cm
	77.7 oz/in		83.1 oz/in
■ PET (initial)	11.5 N/cm	■ PET (after 14 days)	11.9 N/cm
	105.1 oz/in		108.7 oz/in
■ PP (initial)	9.7 N/cm	■ PP (after 14 days)	10.8 N/cm
	88.6 oz/in		98.7 oz/in
■ PS (initial)	14.7 N/cm	■ PS (after 14 days)	15.2 N/cm
	134.3 oz/in		138.9 oz/in
■ PVC (initial)	12.4 N/cm	■ PVC (after 14 days)	16.6 N/cm
	113.3 oz/in		151.7 oz/in

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Properties

■ Temperature resistance short term	70 °C	■ Humidity resistance	++
	158 °F	■ Resistance to chemicals	+
■ Temperature resistance long term	60 °C	■ Softener resistance	+
	140 °F	■ Static shear resistance at 73,4 °F	+
■ Tack	+	■ Static shear resistance at 104 °F	o
■ Ageing resistance (UV)	++		
■ Humidity resistance	++		

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

Additional Info

A fingerlift version (extended liner), tesa® 7149, is also available.

For latest information on this product please visit <http://l.tesa.com/?ip=04970>

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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.