

tesa® Special Transport Securing Tapes – High Performance Where it Really Matters

tesa Solutions for the Appliance Industry

ASSORTMENT FOLDER



tesa – Competence in Special Transport Securing (STS)



● tesa affiliate ● tesa production plant

tesa – Your global partner

Wherever you produce, tesa is located near by. tesa's international customers appreciate the advantages that come with the close partnership with tesa, as there are

- One supplier with global presence
- In time delivery world wide
- Decades of industry experience
- A comprehensive, innovative product range
- High quality level acknowledged world-wide (certified ISO 9001, ISO 14001, ISO T/S 16949)



Certified tesa plant in Offenburg



Environmental protection – for tesa more than words

To earn the trust of the customers is important for tesa. One major issue is the sustainable protection of the environment. So we are proud of our German plant in Offenburg, that was honored with the 'Blue Angel Certificate' due to its environmental friendly production technologies.

- Production of environmental friendly products
- Production under environmental friendly conditions
- Constantly high invests in machinery to optimize both, processes and products





The New tesa® Special Transport Securing (STS) Tape Assortment

Innovative products meet future demands



Developed for highly sensitive surfaces

Not only focus on technology:

- We translate future market demands into tangible solutions
- Continuous worldwide research and product development
- tesa® products incorporate the latest trends, e.g. new coating technologies

Heavy Duty Solutions

Excellent Performance Tapes

- Temporary fixation and holding of heavy parts
- Strong bond to a variety of surfaces
- Good ageing resistance
- Cleanly removable
- High resistance against transportation shocks
- Easy handling due to stiff backing

tesa Testing Methods

tesa offers tailor-made solutions for all kinds of transport securing needs in the white goods industry, ranging from universal over heavy duty to special solutions. All of our products are continuously being tested according to highest industry standards and customer specifications.

State-Of-The-Art testing methods

In order to guarantee an excellent performance, all our products undergo the most demanding tests, as there are



Vibration test

- **Transportation tests**
Vibration and drop tests ensure that ready packed goods are protected in the right way for transportation.



Climate test

- **Storage tests**
Climate tests ensure that there occur no damages during storage under difficult climate conditions with high temperatures and high relative humidity.



UV and ageing test

Testing tesa® tapes under bright UV light for several hours secure that the tapes of this assortment are UV and ageing resistant.



tesa® 4298

is an extra strong, tensilised non-staining STS tape that reliably secures very heavy appliances for transportation.



tesa® 53000 PV1

is an extra strong, tensilised non-staining STS tape that reliably secures very heavy appliances for transportation.

Special Performance:

Very strong bond even on difficult LSE (Low Surface Energy) surfaces



Universal Solutions

General Purpose Tape

- Temporary fixation and holding of doors, cables and inner parts
- Good bond to a variety of surfaces
- Cleanly removable
- Good resistance against transportation shocks



tesa® 64283

is a standard tensilised non-staining STS tape that reliably secures a wide range of standard appliances for transportation.



tesa® STS Tapes offer:

- Maximum security via excellent adhesion
- Residue-free removability from various sensitive surfaces
- Reliable performance against transportation shocks



Special Solutions

UV and Ageing Resistant Tape

- Temporary fixation and holding of light and inner parts
- Good adhesion even to very curved 3-dimensional surfaces
- Cleanly removable even from delicate surfaces
- High UV and ageing resistance
- Good resistance against transportation shocks
- Easy handling due to smooth unwinding

tesa® 64250

is a very flexible, tensilised non-staining UV and ageing resistant STS tape that reliably secures even under extreme conditions at temperatures up to 60° C and humidity up to 95%.



Adhesive Strength

Heavy Solutions tesa® 4298

Adhesion to	Standard conditions* [N/cm]	After storage** [N/cm]
PS	5.1	7.4
ABS	5.1	5.8
PP	5.4	6.9
Zincd steel	4.2	6.7

Heavy Solutions tesa® 53000 PV1

Adhesion to	Standard conditions* [N/cm]	After storage** [N/cm]
PS	6.0	8.7
ABS	5.7	7.2
PP	4.5	6.7
Zincd steel	5.2	7.8

Universal Solutions tesa® 64283

Adhesion to	Standard conditions* [N/cm]	After storage** [N/cm]
PS	3.5	5.2
ABS	3.2	3.8
PP	2.4	4.1
Zincd steel	2.8	3.0

Special Solutions tesa® 64250

Adhesion to	Standard conditions* [N/cm]	After storage** [N/cm]
PS	2.9	3.5
ABS	3.1	3.5
PP	1.7	2.5
Zincd steel	1.6	5.6

* Immediate adhesion at 23 °C, 50 % rel. humidity ** Adhesion after 5 days at 60 °C, 95 % rel. humidity

The results were obtained under laboratory conditions.

tesa Special Transport Securing Solutions for the Appliance Industry:

tesa Special Transport Securing – Technical Data:

Product	Backing material	Tensile strength [N/cm]	Colour	Elongation at break [%]	Total thickness [µm]	Adhesion to steel
Heavy Duty Solutions						
tesa® 4298	Tensitized PP	285	light blue	35	114	7.0
tesa® 53000 PV1	Tensitized PP	280	dark blue	18	127	7.0
Universal Solutions						
tesa® 64283	Tensitized PP	180	light blue	35	77	4.0
Special Solutions						
tesa® 64250	Tensitized PP	100	light blue	30	79	3.0

The results were obtained under laboratory conditions.

tesa® products prove their 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.



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