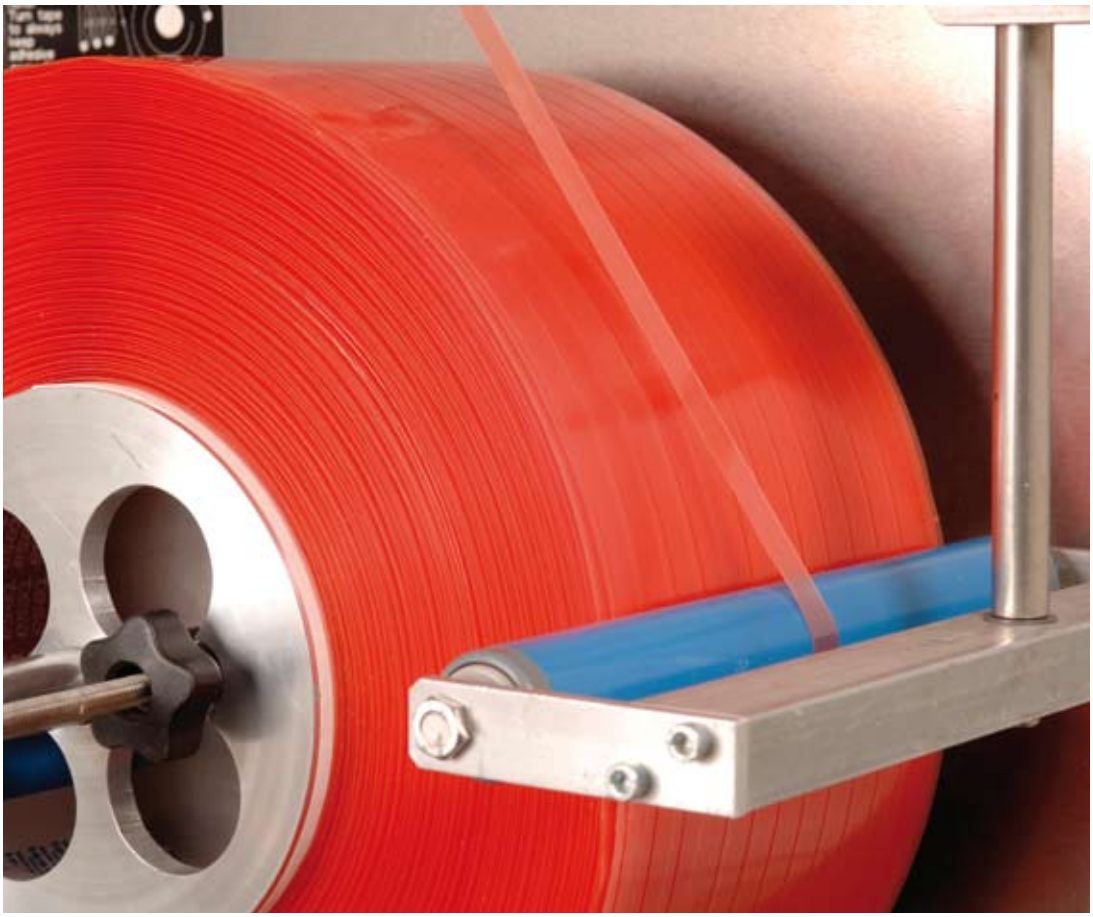
Double Sided Tapes



for fixing, bonding,
joining and laminating

Over 100 years of achievement

tesa tape Australia, a wholly owned affiliate of tesa SE, Germany, and part of the internationally renowned Beiersdorf group, has been successfully marketing and distributing tesa self adhesive tapes for over 40 years in Australia and for over 100 years in Europe. Paul Beiersdorf invented self adhesive tape in 1897 and since then there has been continuous research and development for new methods of fixing, mounting and joining.

This commitment to research, plus the determination to produce the best product possible for each application, has lead to the tesa brand becoming a world respected name in self adhesive tapes.
tesa tape Australia is pleased to offer you many specialised tapes suitable for the unique operating conditions in Australia.

With tesa, one of the world's leading self adhesive tape manufacturers, you get the best combination of technical expertise, quality assurance, efficient service and knowledge based on over 100 years of practical experience. tesa proudly stands behind it's products and welcomes application enquiries.

The many advantages of double sided tapes

tesa double sided tapes provide modern, innovative and economical methods of fixing, mounting, joining and laminating.

The idea of joining objects together with adhesives has been around for a long time. The first substantive evidence of adhesives in practical use is found in Egypt nearly 4000 years ago.

Compared to the extremely slow development of adhesives based on vegetable and animal substances, the advances made with synthetic adhesive materials have been explosive.

The adhesive revolution

The emergence of scientifically based adhesives with known and reliable adhesive properties designed to perform pre-determined tasks heralded the beginning of an adhesive revolution.

tesa has been in the forefront of this dynamic period and is an acknowledged leader in the self adhesive tape market.

When combined with a variety of carriers including PVC, polyester, non-woven tissue, fabric and foam, or used as a transfer adhesive – tesa double sided tapes offer a wide range of potential applications for fixing, mounting, joining and laminating with distinct advantages over traditional methods.

Technical advantages of tesa double sided tapes

The convenience of immediate use, speed and ease of application without tools, as well as simple and instantaneous application techniques are some of the advantages tesa double sided tapes offer to users.

The clean, quick and reliable results offered by the use of tesa double sided tapes are recognised by many major manufacturers. Items can be bonded with no damage to their surfaces. Holes, nails, screws, staples, contact adhesive and rivets are totally unnecessary in many applications, resulting in dramatic cost savings in labour and huge reductions in material waste.

Diverse materials such as glass and steel, ceramics and wood can be satisfactorily bonded. As the bond acts over the entire surface it reduces tension and bond weak spots which often lead to bonding failure.

Unlike contact adhesives, tesa self adhesive tapes provide continuous and uniform properties which are essential in most applications.

The tesa bond is clean and develops its full load resistance very quickly. The bonded surfaces retain their shape, they do not give off offensive odours or present any fire hazards.

The need to clean up work and stains associated with contact adhesives is eliminated. In certain applications tesa double side tapes can be cleanly removed without leaving any adhesive residue.

tesa 4900 PV9
Highly transparent acrylic transfer tape, reverse wound so that the adhesive is exposed on the outside of the roll. Available in 12mm or 19mm widths on a 25mm core for use with hand dispenser (6078/6013).

Used for light duty product assembly, mounting of posters and signs, picture framing and splicing of paper and foils.

tesa 4917
Transparent polypropylene carrier coated with an acrylic adhesive. Used as a re-sealable closure system for paper and plastic bags.

Different adhesive value on each side. With the combination of PP carrier and filmic release liner, hot-wire cutting is possible.

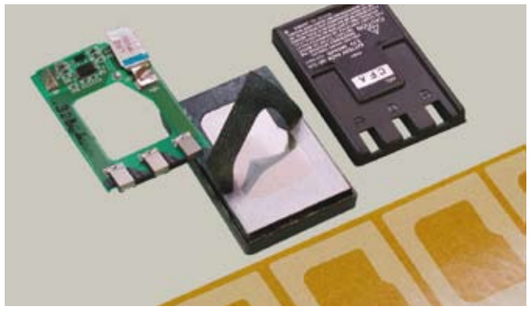
tesa 4933
Transparent polypropylene carrier coated on both sides with an acrylic adhesive. This economy grade tape is suitable for many general fixing and foam lamination applications.

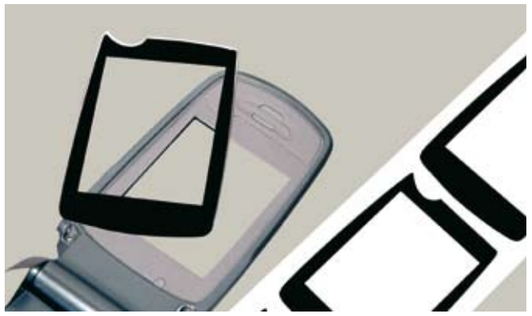
tesa 4934
Fabric carrier coated with an aggressive rubber adhesive providing excellent tack to rough surfaces.

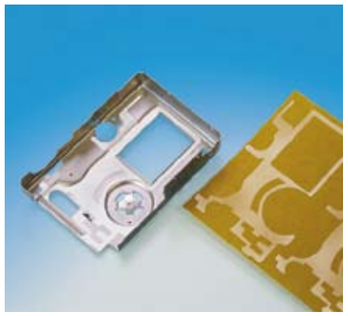
Used for temporary carpet laying (e.g. exhibitions) and general bonding applications particularly on rough surfaces.

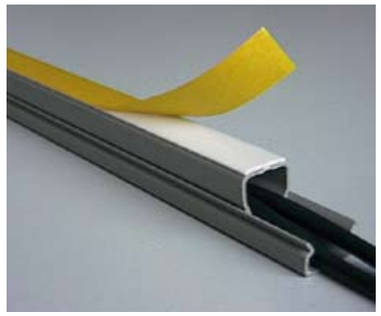
tesa 4952
White, closed cell polyethylene foam coated on both sides with a modified acrylic adhesive. High shear resistance and largely resistant to humidity. Used for mirror mounting, self adhesive mounting of plastic profiles e.g. cable ducting, colonial bars and fixing of car mirrors.

tesa 4959
Non-woven paper tissue coated with acrylic adhesive. Provides high instant tack with good adhesive power and shear strength. Used for fixing decorative trim or mounting lightweight metal or plastic parts as well as splicing paper, corrugated paper, board or film.









tesa 4962
Non-woven paper tissue coated on both sides with a thick acrylic adhesive offers high initial tack and adhesion to a variety of substrates.

Suitable for splicing heavy grades of paper and board as well as for many general fixing and mounting applications involving rough or textured surfaces e.g. leather.

tesa 4964
Tear resistant, flexible fabric backing with rubber based adhesive. The adhesive has a high coating weight, making it well suited for mounting on rough surfaces. Used for the splicing of fabric webs, carpet laying, laminating of arch supports and heel protectors in the footwear industry and for attaching decorative architectural trims to pre-cast concrete moulds.

tesa 4965
Clear polyester film coated with a very aggressive acrylic adhesive with tear resistant polypropylene liner. Used for permanent mounting of plastic, metal and wood products. The product is excellent for die-cutting and laminating applications.

tesa 4967
Transparent polyester carrier coated with modified acrylic adhesive. tesa 4967 provides extremely high holding power even at elevated temperatures and also to low surface energy materials. It is used for bonding plastic and metal profiles and mouldings, even low surface energy materials.
Due to its strong polyester carrier and reduced adhesive mass flow, tesa 4967 is suitable for die-cutting applications.

tesa 4970
Unplasticised PVC carrier coated with strong acrylic adhesive providing good shear strength and permanent bonding capabilities. Unaffected by plasticiser migration; light and age resistant. Adheres well to metallic materials, enamelled surfaces and plastics.

Used for providing a self-adhesive finish to metal and plastic trims, permanent carpet laying and for joining and holding a large range of materials where immediate strong adhesion, high shear strength and permanent bond are required.

tesa 4974
Strong fabric carrier coated with an aggressive rubber adhesive providing excellent tack even to rough surfaces. Used for mounting plates in the flexographic printing industry, temporary carpet laying (e.g. exhibitions) and general mounting applications particularly on rough surfaces where easy removal is required without leaving adhesive residue.

tesa 4985 PV9
Highly transparent acrylic transfer tape, reverse wound so that the adhesive is exposed on the outside of the roll. Available in 12mm or 19mm widths on a 25mm core for use with hand dispenser (6078/6013). Higher initial tack than tesa 4900 PV9. Used for self adhesive mounting of posters, mounting of fabric pattern books. Particularly high adhesion to plastics. Suitable for use on low surface energy substrates.

tesa 50607 PV3
Non-woven tissue carrier coated on both sides with a high tack, high shear acrylic adhesive. The thick adhesive coating ensures a good bond, even on rough surfaces. The high temperature resistance makes the product suitable for the splicing of liners and fluting in the corrugated industry. tesa 50607 PV3 is also used for straight-line automatic splicing in newsprint and magazine printing.

tesa 60900
Polyethylene carrier coated with thick isobutylene isoprene rubber adhesive, offering instant tack, high tensile strength and moisture resistance.
Used for sealing sub-concrete membranes in critical areas, sealing grain bunkers, dam liners, rubber roofing membranes, corrugated roofing and other applications where a long lasting, waterproof seal is required.

tesa 60985
Paper carrier coated on both sides with a very high tack, aggressive acrylic adhesive. The tape has a treated paper release liner for easy handling and die-cutting.

tesa 60985 also possesses a high temperature resistance of 150ºC. Used for foam and fabric lamination as well as mounting of metallic and filmic nameplates and control panels. It is also suitable for bonding low surface energy plastics such as polyethylene and poly propylene.

tesa 62855
Black high density PE/EVA foam 0.9mm thick, coated with a pure acrylic adhesive. Due to its excellent cohesive strength, tesa 62855 is suitable for exterior applications such as mounting of trims and emblems.

tesa 62932/34/36
Polyethylene foam carrier coated with a tackified acrylic adhesive, available in both white and black. Available in thicknesses of 0.5mm, 0.8mm and 1.6mm. These tesa products offer reliable, permanent bonding performance on numerous substrates including structured surfaces. Typical applications would include solar module junction box mounting, bonding of injection moulded plastics, bumper rails, stiffener trims as well as metal, acrylic and glass.

tesa 62939
White polyethylene foam 3mm thick, coated with a tackified acrylic adhesive. Suitable for permanent outdoor use, tesa 62939 allows to fill and seal large size gaps and provides high adhesion to structured surfaces.

tesa 68614
Non-woven tissue carrier coated with an acrylic adhesive. The high quality acrylic adhesive exhibits strong holding power making it suitable for use on a variety of surfaces such as metals, cloth, nameplates, envelopes and plastic decorative sheets. tesa 68614 also possesses excellent resistance to heat, weathering and thermal creep.
tesa 68614 has been designed for general purpose mounting and laminating applications requiring balanced performance at reasonable cost.

Why we make a wide range of double sided tapes

There is no universal adhesive capable of bonding all materials in all situations.

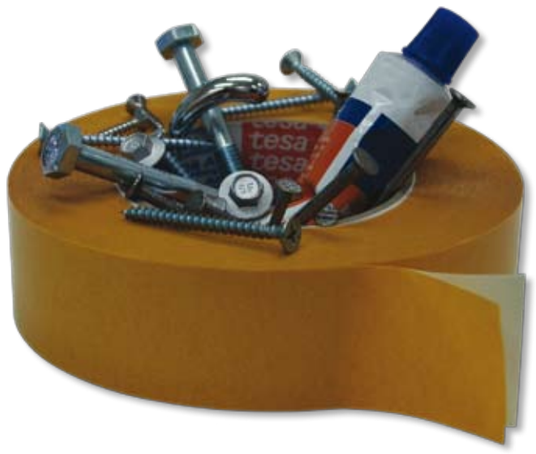
The variables are enormous.

The surfaces to be bonded could be smooth or rough, made of similar or dissimilar materials. Chemical reaction, plasticiser migration or adhesive rejection may have to be taken into consideration. On top of these variables the application could be exposed to sunlight requiring a modified adhesive to cope with temperature and UV radiation.

The application could be long term requiring a permanent bond, or temporary requiring the tape to be easily removed without leaving adhesive residue.

The type of load encountered in a particular application is also of utmost importance.

For these reasons tesa has developed a range of double sided tapes to meet the requirements of a myriad of market requirements.



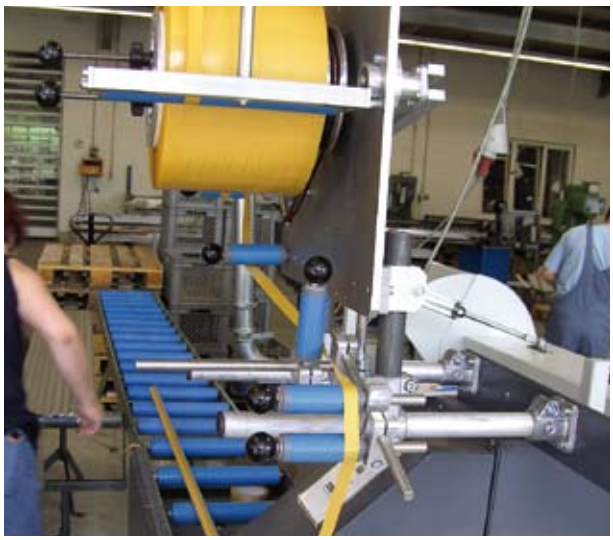
Product	Carrier	Type of Adhesive	◯	◯	Colour	Liner	Thickness without liner mm	Tensile Strength N/25mm	Elongation at Break %	Adhesion Power to Steel N/25mm	Temperature Resistance ºC Short periods	Long periods
4900PV9	None	Pure Acrylic			Transparent	Paper	0.05	-	-	8.5	200	80
4917	PP Film	Modified Acrylic			Transparent	PP Film	0.09	-	-	12.5 Open 5 Closed	150	80
4933	PP Film	Modified Acrylic			Transparent	Paper	0.11	73	100	6	100	70
4934	Fabric	Synthetic Rubber			Cream	Paper	0.22	102	15	25	70	40
4952	PE Foam	Modified Acrylic			White	Paper	1.15	10	200	16.5	80	80
4959	Non-Woven Tissue	Modified Acrylic			Translucent	Paper	0.11	25	6	16	200	80
4962	Non-Woven Tissue	Modified Acrylic			Translucent	Paper	0.16	25	6	27	200	80
4964	Fabric	Natural Rubber			Cream	Paper	0.39	203	10	19	160	40
4965	Polyester Film	Modified Acrylic			Transparent	PP Film	0.21	40	50	29	200	100
4967	Polyester Film	Modified Acrylic	◯	◯	Transparent	Paper	0.16	50.8	50	28.7	200	100
4970	PVC Film	Modified Acrylic			White	Paper	0.24	95	35	34	70	60
4974	Fabric	Natural Rubber			Cream	Crepe Paper	0.38	250	16	12.5	150	30
4985PV9	None	Modified Acrylic			Transparent	Paper	0.05	-	-	20	200	80
50607PV3	Non-Woven Tissue	Modified Acrylic			Translucent	Paper	0.135	-	3	18	200	80
60900	Polyethylene	Isobutylene			Black	Paper	1	170	-	50	-	-30 to +120
60985	Paper	Modified Acrylic			Translucent	PE Coated Paper	0.15	24	3	18.7	150	80
62855	PE/EVA Foam	Pure Acrylic			Black	Paper	0.9	33	300	22.9	100	90
62932	PE/EVA Foam	Modified Acrylic			White/Black	Paper	0.5	20	270	33	80	80
62934	PE Foam	Modified Acrylic			White/Black	Paper	0.8	20	250	43.2	80	80
62936	PE Foam	Modified Acrylic			White/Black	Paper	1.6	48.2	200	40.6	80	80
62939	PE Foam	Modified Acrylic	◯	◯	White	Paper	3	33.8	160	12.7	80	80
68614	Non-Woven Tissue	Modified Acrylic			Translucent	PE Coated Paper	0.1	20	2	10.2	200	100

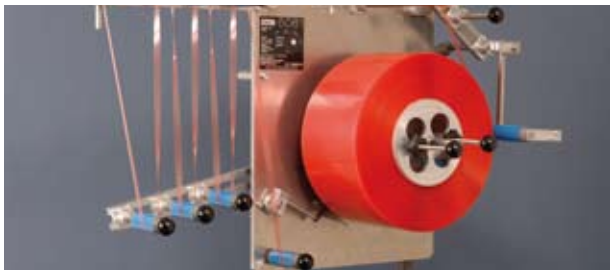
Spoolwound long length rolls

Continuity is an important requirement for efficient production in the large scale manufacture of products where maximising machine capacity is essential.

tesa double sided tape long length rolls reduce downtime through fewer roll changes as well as allowing for faster production. In addition, the quality of the end product is improved due to higher consistency of the production run and waste is reduced.

You will be impressed by the higher profit generated through increased productivity.





Technical Data

Inner diameter of core	152mm
Core width	180mm
Winding width	170mm
Diameter of spool, maximum	380mm
Weight	10 to 15kg

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