

Technibond

thin double sided tapes

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bonding industry together



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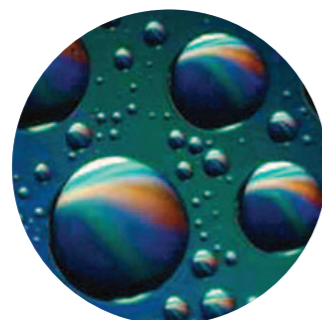
Thin double sided tapes

Key products from our extensive range to suit all requirements

Product Description

	Product Description	Tape thickness (mm)	Adhesive	Carrier	Temperature range °C	Performance													
						Shear performance	Adhesion to high energy surfaces	Adhesion to low energy surfaces	Adhesion to rough surfaces	Initial adhesion (tack)	Adhesion at low temperatures	Resistance to high temperatures	Ageing	Outdoor performance	UV resistance	Plasticizer resistance	Solvent resistance		
555	555 is a genuine multi-purpose tape that provides outstanding performance for the price. It is economical enough for most applications, but also capable of performing in demanding conditions. Compared to many competitive products it has a high coat weight of adhesive. The adhesive is a high performance cross-linked modified acrylic with excellent shear and high temperature resistance. This combination means that 555 will bond to most materials and resist most environmental conditions. The benchmark tissue tape.	0.13	MA	Tissue	-40 to +120	●	●	●	●	●	●	●	●	●	●	●	●	●	●
556	The same adhesive and thickness as 555, but coated on polyester film instead of tissue. Better for diecutting and bobbin winding, with better water resistance. It will reinforce stretchy materials, but is less suitable for hand application as it cannot easily be torn. Available with various film liners, including a premium red film.	0.13	MA	PES film	-40 to +120	●	●	●	●	●	●	●	●	●	●	●	●	●	●
577	A high tack acrylic adhesive on thin tissue, 577 was specifically designed to bond to low surface energy substrates. It provides excellent adhesion on many difficult flexible close fitting substrates, such as polyethylene, polypropylene and high gloss coatings. Higher tack but lower shear than 555, it is a very economical tape and can be used in a wide variety of less demanding applications. A dispersion acrylic adhesive, non-crosslinked.	0.10	MA	Tissue	-40 to +80	●	●	●	●	●	●	●	●	●	●	●	●	●	●
9274	A very thick coating of the same adhesive as 555, but on a robust white PVC film carrier. The thickness of this product gives it excellent gap-filling ability and means it will bond well even on textured and slightly rough materials, including difficult materials such as MDF. Very strong bonds in most situations, the only limitation is the temperature resistance which is restricted by the carrier.	0.26	MA	White uPVC film	-40 to +70	●	●	●	●	●	●	●	●	●	●	●	●	●	●
567	A tape that falls between 556 and 9274 in thickness and performance, 567 is the tape that does practically every job well. Loved by distributors and the point of sale industry, as it sticks to nearly all surfaces and resists nearly all normal conditions, but is still well priced. So versatile, it is our biggest selling thin tape.	0.22	MA	PP film	-40 to +120	●	●	●	●	●	●	●	●	●	●	●	●	●	●
549	The premium double sided tape, with the distinctive red film liner. 549 gives the best performance of all of our thin tapes and is suitable for almost every application. It will bond to rough surfaces, low energy materials, resists very high temperatures, water, solvents and UV light and even has good transparency.	0.20	MA	PES film	-40 to +150	●	●	●	●	●	●	●	●	●	●	●	●	●	●
431	An unusual tape, manufactured specially for us. 431 is a permanent tape providing good bonds to most materials, but uniquely, it can also be removed cleanly from any firm surface, even after quite long periods of time. Most tapes will leave a residue that is difficult to clean. Widely used for POS applications, and in many situations where the tape may have to be removed.	0.30	MA	Cloth	-40 to +100	●	●	●	●	●	●	●	●	○	○	●	●	●	●

Performance key ○ Poor ● Medium ● Good ● Very Good ● Excellent



A low energy surface repels liquids, so an adhesive will not easily wet out.

Surface energy

High
The chemical nature of the surface; its attractiveness or ease with which it can be wetted by an adhesive. Also known as **Surface Tension**.

High

Surface energy materials: glass, metals, paper and wood. Good results with all adhesive types; maximum bonds.

Medium

Surface energy materials: acrylic, nylon, polyester, polycarbonate, PVC and most paints. Generally good results but pure acrylics may not give full bond.

Low

Surface energy materials: polyethylene, polystyrene, polypropylene and some powder coated paints. Difficult, pure acrylics will not bond well, modified acrylics may not give full bond.

Very Low

Surface energy materials: PTFE and silicone rubber. Acrylics and rubbers will not bond, requires silicone adhesive.



Full product data sheets available on request. Contact us today on: **01628 642800** or visit www.technibond.co.uk