



# CORE PRODUCTS

A Guide to the tesa® Core Product Range

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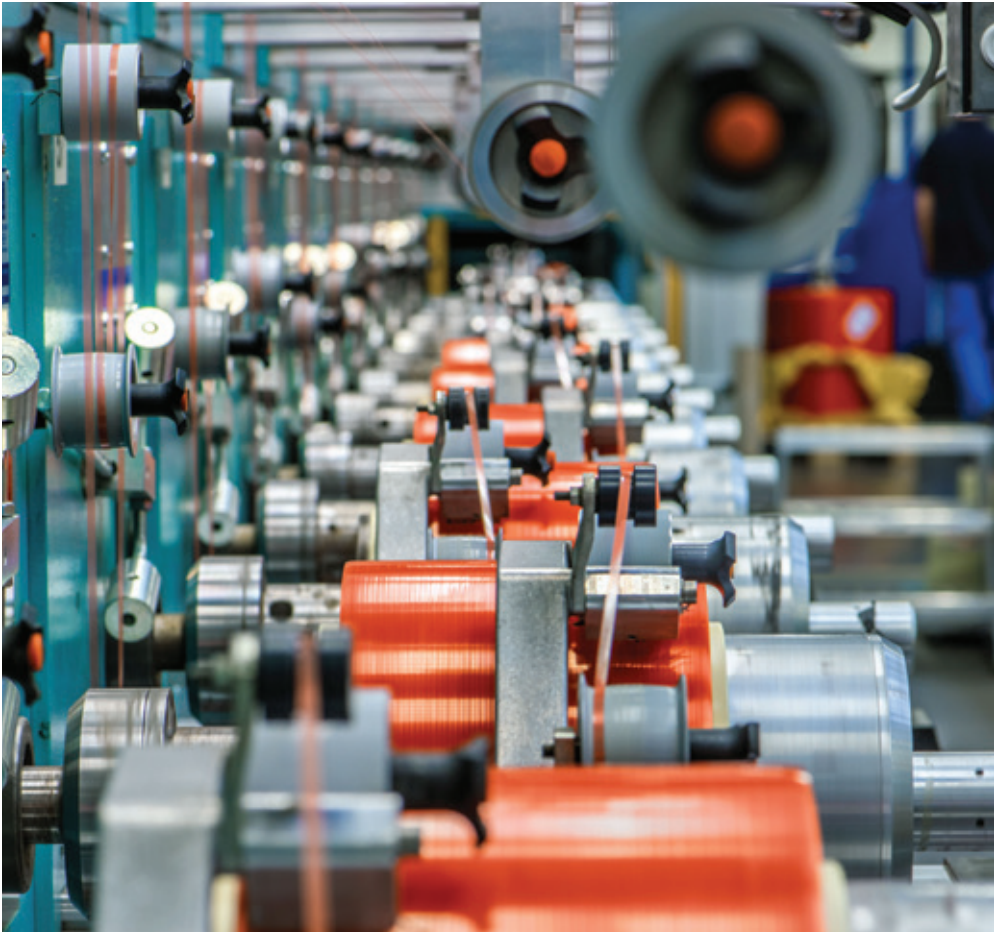
## A Guide to the tesa® Core Product Range

### tesa: A Global Adhesive Tape Manufacturer

tesa is one of the leading global brands of adhesive tape, with over 75 years experience selling 800 products in more than 100 countries.

We invest 5% of our global turnover in R&D which has led to 50% of our sales being from products developed in the last 5 years.


We employ 350 people in our laboratories around the world, filing an average of 70 patents a year.




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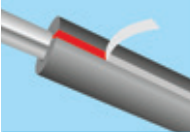
### Double Sided Tapes – Filmic

	tesa® 4965	tesa® 4970	tesa® 51966 PV6	tesa® 51970	tesa® 64621
Carrier	PET	PVC	PET	PP	PP
Adhesive	Tackified acrylic	Tackified acrylic	Tackified acrylic	Tackified acrylic	Synthetic rubber
Total thickness [µm]	205	225	200	220	90
Adhesion to steel [N/cm]	11.8	13.6	11	13.5	15
Temperature Resistance [°C] short/long term	200/100	70/60	130/80	120/60	80/40
Outdoor use	Yes	Yes	Yes	Yes	No

### Double Sided Tapes - Foam

	tesa® 4957	tesa® 62510	tesa® 62932
Carrier	PE foam	PE foam	PE/EVA foam
Adhesive	Tackified acrylic	Tackified acrylic	Tackified acrylic
Total thickness [µm]	1100	1000	500
Adhesion to steel [N/cm]	4*	13.5*	17*
Temperature Resistance [°C] short/long term	80/80	80/80	80/80
Outdoor use	Yes	Yes	Yes

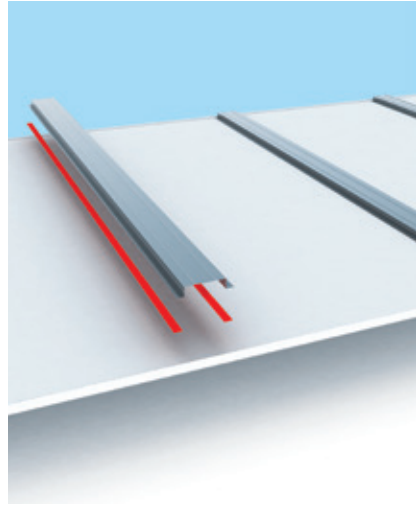
### Double Sided Tapes - Non-woven

	tesa® 51571	tesa® 4959
Carrier	Non-woven	Non-woven
Adhesive	Synthetic rubber	Tackified acrylic
Total thickness [µm]	160	100
Adhesion to steel [N/cm]	13	8.5
Temperature Resistance [°C] short/long term	80/40	200/80
Outdoor use	No	Limited

\* foam split

## Double Sided Tapes - ACX<sup>plus</sup> Acrylic Core Tapes


	tesa® 705x	tesa® 706x	tesa® 707x
Carrier	Solid acrylic	Foamed acrylic	Foamed acrylic
Adhesive	Pure acrylic	Modified acrylic	Pure acrylic
Total thickness [µm]	500-2900	500-1500	500-3900
Adhesion to steel [N/cm]	19-29	24-45	20-45
Temperature Resistance [°C] short/long term	200/100	170/70	220/120
Outdoor use	Yes	Yes	Yes




## Masking Tapes

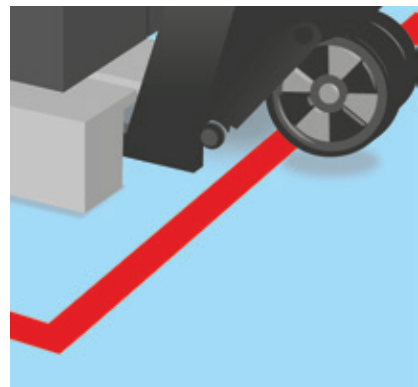
	tesa® 4323	tesa® 4317	tesa® 4308	tesa® 4432	tesa® 50600	tesa® 50650
Carrier	Slightly-creped paper	Slightly-creped paper	Slightly-creped paper	Flatback paper	PET	PET
Adhesive	Natural rubber	Natural rubber	Natural rubber	Natural rubber	Silicon	Silicon
Total thickness [µm]	130	140	170	330	80	55
Colour	Beige	Beige	Blue	Yellow	Green	Blue
Temperature Resistance [°C] 1 hour	50	80	100	100	220 (30mins)	220 (30mins)

## Cloth and Repair Tapes


	tesa® 4613	tesa® 4688	tesa® 4651	tesa® 50565 PV1	tesa® 53948
Carrier	PE-laminated cloth	PE-extruded cloth	Acrylic paste coated rayon fabric	Aluminium foil and paper liner	Plasticised PVC
Adhesive	Natural rubber	Natural rubber	Natural rubber	Acrylic	Natural rubber
Total thickness [µm]	180	260	310	90 (foil 50µm)	120
Adhesion to steel [N/cm]	4	5	3	6	2
Tensile strength [N/cm]	34	52	100	35	22
Colour	Black, silver, white	Various	Various	-	Various
Other	-	AREVA-certificate for use in nuclear power plants	-	Flame retardant according to UL 510	IMQ, SEMKO and IEC certified

## Safety Tapes

	tesa® 60950 Anti-slip tape	tesa® 60951 Anti-slip tape	tesa® 60760 Lane marking and hazard warning
Carrier	PVC/Aluminium oxide	PVC/Aluminium oxide	Plasticised PVC
Adhesive	Acrylic	Acrylic	Natural rubber
Total thickness [µm]	810	810	150
Adhesion to steel [N/cm]	10	10	2.5
Colour	Black	Black/yellow	Various




## Packaging Tapes

	tesa® 4280	tesa® 4089	tesa® 64044
Carrier	PP	PP	PP
Adhesive	Synthetic rubber	Natural rubber	Acrylic
Total thickness [µm]	43	46	85
Carrier thickness [µm]	25	28	50
Tensile strength [N/cm]	88	113	175
Elongation at break [%]	150	140	180



## Strapping and Filament Tapes

	tesa® 4590 monofilament	tesa® 4591 Cross weave	tesa® 4287	tesa® 4288*
Carrier	PET/glass fibre	PET/glass fibre	MOPP	MOPP
Adhesive	Synthetic rubber	Synthetic rubber	Natural rubber	Natural rubber
Total thickness [µm]	125	150	79	114
Tensile strength [N/cm]	250	250	180	300
Adhesion to steel [N/cm]	6	8	4	5

\* UV resistant

tesa is a global market leader in the manufacture and supply of adhesive tapes and the relationship with our distribution partners is a key factor to our quality of service.

We rely on our distribution partners for their local market knowledge and expertise but can also provide support with joint calls to help with product selection to identify the best tape solution for the customer.

'A Guide to the tesa® Core Product Range' is just that. It is meant to provide a simple reference to our core range of readily available tapes which are suitable for many applications. However, if you do not see what you think you need, please call your tesa account handler or alternatively, tesa Customer Services on **01908 500333** or e-mail **cs.uk@tesa.com**.

And don't forget we also have two slitting machines in Milton Keynes for more flexibility in terms of available roll widths.

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All technical information and data mentioned above are provided to the best of our knowledge on the basis of our practical experience. They shall be considered as average values and are not appropriate for a specification. Therefore, tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. 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 support you.



Our management system is certified according to the standards  
ISO 9001, ISO/TS 16949 and ISO 14001  
Certificate No. RS 28470

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