

tesa® 51903

Double-sided self-adhesive tape without liner

tesa® 51903 is a double-sided adhesive tape, consisting of a PVC-film without liner.

The adhesive on both sides is exactly balanced, so that tesa® 51903 can be unwound easily, even after long periods in storage.

Main Application

- Mounting of light weight parts
- Splicing of various materials such as plastic, metal foils, paper and cardboards.
- The acrylic-mass system has different adhesion values on each side. tesa® 51903 is therefore especially suited as closure system even for thin film bags.

tesa® 51903 is also used for mounting in the lithography industry.

Technical Data

▪ Backing material	PVC film	▪ Type of adhesive	acrylic
▪ Color	transparent	▪ Elongation at break	40 %
▪ Total thickness	86 µm	▪ Tensile strength	35 N/cm

Adhesion to

▪ Steel (initial)	2.4 N/cm	▪ Steel (after 14 days)	3.0 N/cm
▪ ABS (initial)	2.8 N/cm	▪ ABS (after 14 days)	2.0 N/cm
▪ Aluminium (initial)	1.5 N/cm	▪ Aluminium (after 14 days)	2.5 N/cm
▪ PC (initial)	2.7 N/cm	▪ PC (after 14 days)	1.8 N/cm
▪ PE (initial)	1.2 N/cm	▪ PE (after 14 days)	1.8 N/cm
▪ PET (initial)	1.8 N/cm	▪ PET (after 14 days)	2.2 N/cm
▪ PP (initial)	1.7 N/cm	▪ PP (after 14 days)	2.4 N/cm
▪ PS (initial)	2.7 N/cm	▪ PS (after 14 days)	2.7 N/cm
▪ PVC (initial)	1.8 N/cm	▪ PVC (after 14 days)	2.5 N/cm

Properties

▪ Temperature resistance short term	70 °C	▪ Resistance to chemicals	●●
▪ Temperature resistance long term	60 °C	▪ Softener resistance	●
▪ Tack	●●●	▪ Static shear resistance at 23°C	●
▪ Ageing resistance (UV)	●●●●	▪ Static shear resistance at 40°C	●
▪ Humidity resistance	●●●●		

Evaluation across relevant tesa® assortment: ●●●● very good ●●● good ●● medium ● low

For latest information on this product please visit <http://l.tesa.com/?ip=51903>

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