

Avery Dennison Performance Tapes

Mounting & Assembly of Membrane Switches

Application overview

In the fabrication of membrane switches used in various appliances, spacer films are used to bond the different layers of control panels:

- Graphic overlays
- Top & bottom circuit
- Dome retainers

Transfer or double coated tapes are used to bond the entire control panel which often involves low surface energy materials.

Spacer adhesive films: double coated films that allow a high performance and long lasting functioning of the membrane keyboard.

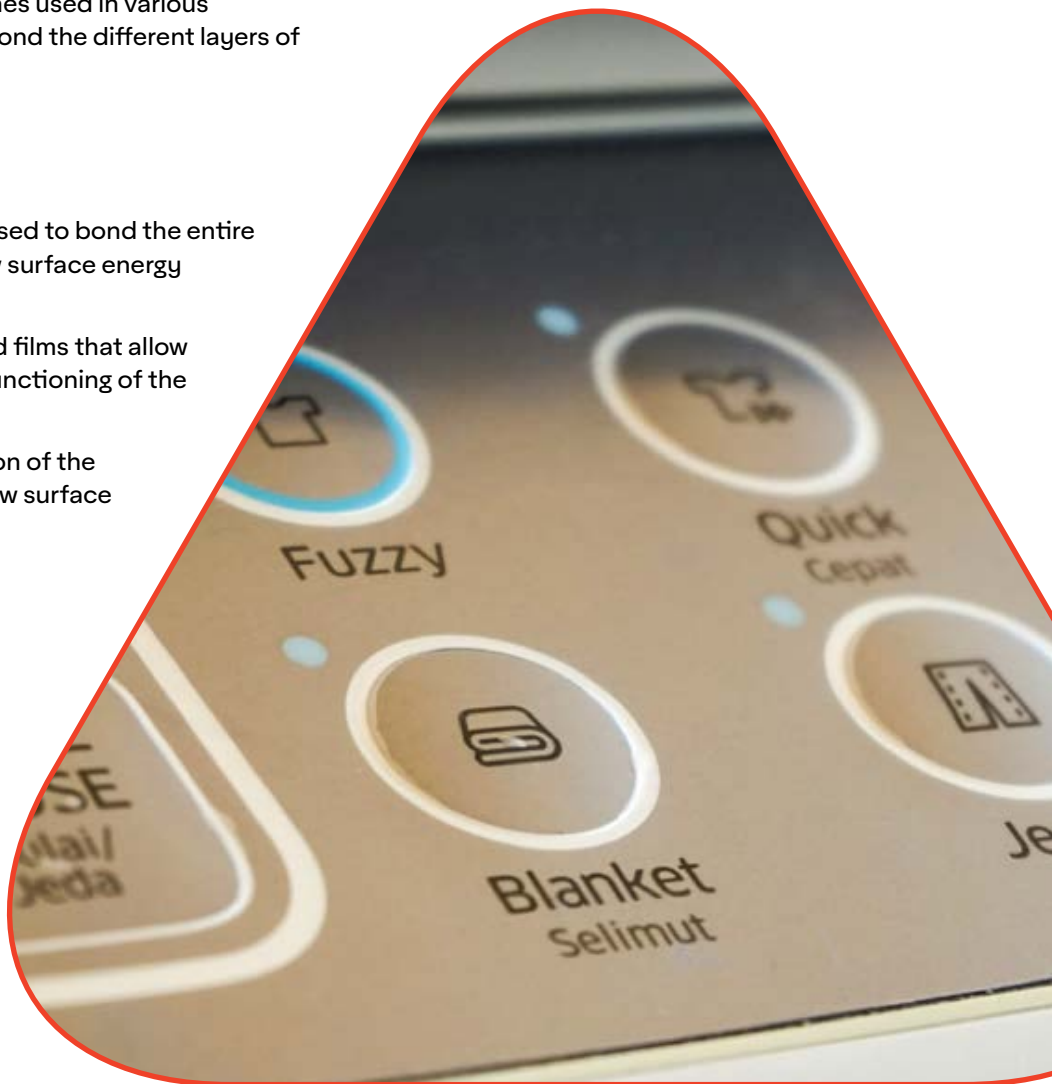
Switchboard bonding: strong adhesion of the switchboard back to standard- and low surface energy materials.

Customer benefits

- Long lifetime of the membrane switches
- Very thin technology following design requirements
- Suitable for industrial processes
- No cure time required, ability to handle immediately following tape application
- Variety of thicknesses available

Key requirements

- No discoloration of the graphical overlay
- No interaction with printed circuit inks



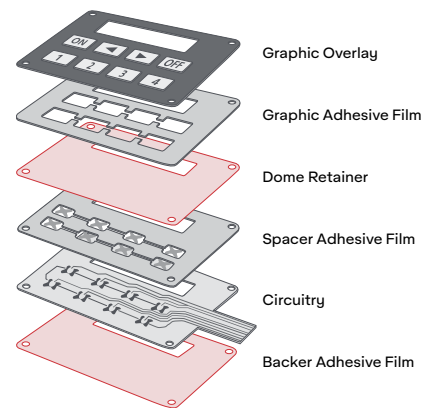
Technical Properties & Key Application Requirements

Technical Properties

In the case of spacer adhesive films, the thickness of the PET carrier can be customized to the required layer thickness for spacer films in the membrane switch.

All tapes are coated with cross-linked acrylic adhesives, providing a very high temperature, chemical, UV- and moisture resistance, as well as a very good resistance to stress and load.

All tapes provide excellent slitting, converting and die-cutting properties and smooth liner removal.



Portfolio Overview

Product Code	Total Thickness excl. Liner (µm)	PET Carrier Thickness (µm)	Construction	Form
HPA™ 1953W	40	N/A	Transfer Tape, single or double liner	Roll
HPA™ 1952W	65	N/A	Transfer Tape, single or double liner	Roll
HPA™ 1955W	125	N/A	Transfer Tape, single or double liner	Roll
FT 73072	142	12	PET carrier laminated both sides with HPA TT, optional double liner	Roll + Sheet
FT 73073	155	25	PET carrier laminated both sides with HPA TT, optional double liner	Roll + Sheet
FT 73074	180	50	PET carrier laminated both sides with HPA TT, optional double liner	Roll + Sheet
FT 73075	205	75	PET carrier laminated both sides with HPA TT, optional double liner	Roll + Sheet
FT 73100	230	100	PET carrier laminated both sides with HPA TT, optional double liner	Roll + Sheet
FT 73125	255	125	PET carrier laminated both sides with HPA TT, optional double liner	Roll + Sheet
FT 73175	305	175	PET carrier laminated both sides with HPA TT, optional double liner	Roll + Sheet
FT 7397	102	12	PET carrier laminated both sides, double liner	Roll + Sheet

For more information on our bonding tapes and adhesive solutions, call us:

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