

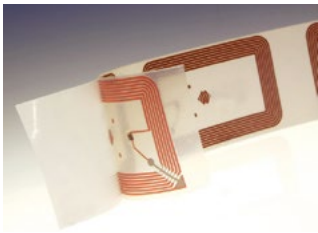
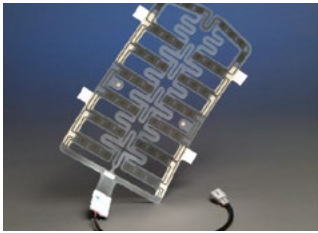
Polyester Films

for Printed and Flexible Electronics



Delivering innovative solutions

Melinex®
Mylar®
Kaladex®



FILM TYPE	THICKNESS MICRON (GAUGE)	SURFACE PRETREAT	TYPICAL APPLICATIONS
Standard films, for use where shrinkage is not critical or where film is stabilised in-house			
Mylar® A	12-500 (48-2000)	None	Strong, durable, hazy film with excellent handleability for general electronics applications.
Mylar® ADS	50-125 (200-500)	None	Lower shrinkage version of Mylar® A, suitable for FPC and MTS circuitry.
Mylar® 250	52 (205)	None	Black PET film, UV stable, improved resistance to hydrolysis.
Melinex® 329	36-330 (142-1300)	None	White PET film with high opacity for sputtering and other deposition processes.
Melinex® 339	50-330 (200-1300)	2-side adhesion	White PET film with high opacity and excellent printability and ink adhesion.
Melinex® OD	125-250 (500-1000)	None	Optically clear for MTS graphics.
Melinex® 453 Melinex® 454	36-175 (142-700)	1-side adhesion 2-side adhesion	Optically clear films with excellent handling properties. Pretreated on one or two sides to promote adhesion to many printing inks and industrial coatings.
Melinex® 506	75-250 (300-1000)	2-side adhesion	Optically clear with excellent printability and ink adhesion.
Melinex® 715 Melinex® 725	125-250 (500-1000)	1-side adhesion 2-side adhesion	Optically clear films, pretreated on one or two sides for excellent adhesion to UV inks and lacquers.
Melinex® 726	175 (700)	2-side adhesion	Optically clear with superb adhesion to circuitry inks for MTS applications.
Melinex® TCH24UV	125 (500)	2-side adhesion	Clear, low bloom, with UV inhibitor for touch and other display applications.
Novel Developmental Films			
Melinex® FR240 Melinex® FR241	12-50 (48-200)	None 1-side adhesion	Halogen-free, Flame Retardant (VTM-0) clear handleable film.
Melinex® FR321	75-175 (300-700)	1-side adhesion	Halogen-free, Flame Retardant (VTM-0) optically clear film.

Other development PET and PEN film grades are available to meet specific application needs. Please enquire for further details.

Flexible Printed Circuits (FPC) and Flat Flexible Cables (FFC)

- Films for copper laminates and adhesive overlays.
- Applications in automobile wiring, appliances, RFID tags, smart card leave frames and antennae.

Membrane Touch Switch (MTS)

- Films for circuit, graphics and spacer layers.
- Applications in automotive seat sensors, industrial and domestic equipment, keyboards, mobile phones.

Flexible Electronics

- Films for ITO sputtering and hard coating.
- Applications in touch screens, electroluminescent lamps, flexible displays.

Batteries and Fuel Cells

- Films for busbar insulation, control circuits, heaters, pouches and electrical insulation.
- PolyEthylene Naphthalate (PEN) films for fuel cell gaskets.

FILM TYPE	THICKNESS MICRON (GAUGE)	SURFACE PRETREAT	TYPICAL APPLICATIONS
Novel Development Films			
Melinex® PCS Melinex® PCS UV	125 (500)	None	Optically clear "Peelable Clean Surface" for high barrier films. Also available with UV stability.
Melinex® D784	200, 250 (800, 1000)	1-side adhesion	Thermoformable PET, suitable for use in automotive, white goods, consumer electronics and In'Mould Electronics.
Kaladex® 2000	16-125 (63-500)	None	High performance PolyEthylene Naphthalate (PEN) film for applications where greater temperature endurance is required.
Kaladex® 2000L	25-125 (98-500)	None	High performance PolyEthylene Naphthalate (PEN) film with optimised lower shrinkage at elevated temperatures, particularly suitable for applications in flexible circuitry and fuel cell gaskets.
Fully heat stabilised optically clear films with very low shrinkage, where ultimate PET film performance is required			
Melinex® ST504	125-175 (500-700)	1-side adhesion	Optically clear with adhesion pre-treat, developed for ITO sputtering and other deposition processes.
Melinex® ST506	125-250 (500-1000)	2-side adhesion	Optically clear with excellent printability and ink adhesion suitable for MTS graphics and circuitry applications.
Melinex® ST507	50-125 (200-500)	None	Hazy film for FPC applications, ideal for use with low temperature solder reflow.
Melinex® ST725	125-250 (500-1000)	2-side adhesion	Optically clear film with excellent adhesion to industrial coatings, especially multi-pass UV curing.
Melinex® ST726	175 (700)	2-side adhesion	Optically clear with superb adhesion to circuitry inks for MTS applications.
Melinex® STCH21 Melinex® STCH22	50-100 (200-400)	1-side adhesion 2-side adhesion	Optically clear films with excellent handling properties. Pretreated on one or two sides, developed for ITO sputtering and other deposition processes. Suitable for MTS graphics and circuitry applications.
Melinex® STCH22UV	50-100 (200-400)	2-side adhesion	Optically clear, with UV inhibitor for touch and other display applications.
Other developmental PET film grades are available to meet specific application needs. Please enquire for further details.			

www.dupontteijinfilms.com
europe.films@dupont.com / usa.films@dupont.com



United Kingdom
DuPont Teijin Films U.K. Ltd
The Wilton Centre
Redcar
TS10 4RF

Continental Europe
DuPont Teijin Films Luxembourg S.A.
BP-1681
L-1016
Luxembourg

United States
DuPont Teijin Films U.S.
Limited Partnership
3600 Discovery Drive
Chester, VA 23836 USA

DuPont Teijin Films China Limited
Room 702, 7th Floor, China Life Center,
Tower A, One Harbour Gate,
No. 18 Hung Luen Road, Hung Hom,
Kowloon Hong Kong

This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentations. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions, DuPont Teijin Films makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right. © 2021 DuPont Teijin Films. All rights reserved, all trademarks and service marks denoted with "™" or "®" are owned by DuPont Teijin Films or associated affiliates unless otherwise noted. Nothing contained herein shall be construed as a representation that any recommendations, use or resale of the product or process described herein is permitted and complies with the rules or regulations of any countries, regions, localities etc or does not infringe upon patents or other intellectual property rights of third parties. Melinex®, Mylar® and Kaladex® are registered trademarks of DuPont Teijin Films U.S. Limited Partnership.