



Mylar®
polyester film

Mylar® A 12 - 36µm

Product Description

MYLAR® polyester film is a flexible, strong and durable film with an unusual balance of properties making it suitable for many industrial applications. Type MYLAR® A is a tough general purpose film which is transparent in 12µm through 23µm and translucent in heavier thickness.

Type MYLAR® A is primarily used for release applications, office supplies, electrical insulation and industrial laminations with other flexible materials. Type MYLAR® A is also available in 50µm through 500 µm thickness range.

Film Properties (typical values)

Type MYLAR® A has a tensile strength that averages 190 MPa, has excellent resistance to moisture and most chemicals and can withstand temperature extremes from -70°C to 150°C. Because it contains no plasticisers MYLAR® A does not become brittle with age under normal conditions.

Property	Test Method		Value					
Thickness	---	micron	12	15	19	23	30	36
Tensile Strength (Mpa)	ASTM D 882	MD	200	200	210	21	230	230
		TD	220	220	230	230	260	260
Modulus (Mpa)	ASTM D 882	MD	4200	4200	4200	4100	4100	4100
		TD	4200	4200	4300	4300	4300	4300
Elongation (%)	ASTM D 882	MD	100	110	110	130	120	130
		TD	100	100	110	110	100	110
Shrinkage 150°C for 30 min (%)	ASTM D 1204	MD	1.5	1.3	1.3	1.3	2.5	2
		TD	0	0	1	1	1.7	1.7
Shrinkage 200°C for 30 min (%)	ASTM D 1204	MD	4.5	4	4	4	8	7
		TD	1.5	1	3	3	7	6.5
Haze (%)	ASTM D 1003 Gardner Hazemeter		5	7	11	15	20	22
Dielectric Strength (minimum) (kV)	ASTM D 149		2.5	2.7	3	4	4.8	5.5

1mm = 1 micron = 0.001 mm approx 4 gauge, MD = Machine Direction, TD = Transverse Direction

Enquiries should be addressed to:

DuPont Teijin Films (Luxembourg) SA
BP 1681
L-1016 Luxembourg
Telephone: +352 2616 4004

Fax No: +352 2616 5000

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.



Caution: Do not use in medical applications involving permanent implantation in the human body. For other medical applications, see "DuPont Teijin Films Medical Caution Statement", H-50102-DTF.

Melinex®, Kaladex®, Mylar®, Cronar® and Teonex® are registered trademarks of DuPont Teijin Films. Only DuPont Teijin Films makes Melinex® brand, Kaladex® brand, Mylar® brand, Cronar® brand and Teonex® brand films.

 DuPontTeijinFilms™

Mylar®

Only by DuPont Teijin Films



Mylar®

polyester film

Mylar® A 50 - 125µm

Product Description

MYLAR® polyester film is a flexible, strong and durable film with an unusual balance of properties making it suitable for many industrial applications. Type A MYLAR® is a tough general purpose film which is translucent in 50µm to 125µm thickness. Type A MYLAR® is primarily used for release applications, office supplies, electrical insulation and industrial laminations with other flexible materials. Type A MYLAR® is also available in 12µm to 36µm and 190µm to 500µm thickness range.

Film Properties (typical values)

Type A MYLAR® has a tensile strength that averages 190 MPa, has excellent resistance to moisture and most chemicals and can withstand temperature extremes from -70°C to 150°C. Because it contains no plasticisers Type A MYLAR® does not become brittle with age under normal conditions.

Property	Test Method		Value			
Thickness	---	micron	50	75	100	125
Tensile Strength (Mpa)	ASTM D 882	MD	190	190	190	180
		TD	210	200	200	200
Modulus (Mpa)	ASTM D 882	MD	3800	3800	3700	3600
		TD	4100	4000	3900	3800
Elongation (%)	ASTM D 882	MD	140	140	150	150
		TD	120	120	120	130
Shrinkage 150°C for 30 min (%)	ASTM D 1204	MD	1.2	1.1	1.1	1.1
		TD	1.1	1	1	1
Shrinkage 200°C for 30 min (%)	ASTM D 1204	MD	2.8	2.5	2.5	2.5
		TD	2.5	2.3	2.3	2.3
Haze (%)	ASTM D 1003 Gardner Hazemeter		29	36	39	43
Dielectric Strength (minimum) (kV)	ASTM D 149		7.7	10	11.75	13.5

1mm = 1 micron = 0.001 mm approx 4 gauge, MD = Machine Direction, TD = Transverse Direction

Enquiries should be addressed to:

DuPont Teijin Films (Luxembourg) SA
L-2984 Luxembourg
Telephone: +352 2616 4004
Fax No: +352 2616 5000



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.

Caution: Do not use in medical applications involving permanent implantation in the human body. For other medical applications, see "DuPont Teijin Films Medical Caution Statement", H-50102-DTF.

Melinex®, Kaladex®, Mylar®, Cronar®, Teonex® and Teijin® - Teton® are registered trademarks of DuPont Teijin Films. Only DuPont Teijin Films makes Melinex® brand, Kaladex® brand, Mylar® brand, Cronar® brand, Teonex® brand and Teijin® - Teton® brand films.



DuPont Teijin Films

Mylar®

Only by DuPont Teijin Films