

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 12 μ m through 23 μ m 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 50μ m through 500μ m 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		5	7	11	15	20	22	
	Gardner Hazemeter								
Dielectric Strength	ASTM D 149		2.5	2.7	3	4	4.8	5.5	
(minimum) (kV)									

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 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.





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		29	36	39	43	
	Gardner Hazemeter						
Dielectric Strength	ASTM D 149		7.7	10	11.75	13.5	
(minimum) (kV)							

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

Enquiries should be addressed to:

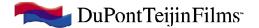
DuPont Teijin Films (Luxembourg) SA L-2984 Luxembourg Telephone: +352 2616 4004 Fax No: +352 2616 5000

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





Mylar[®] Only by DuPont Teijin Films