



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
		ASTM D 149	2.5	2.7	3	4	4.8	5.5
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