

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



Mylar®

polyester film

Mylar® A 190 - 500µm

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 available in 12µm to 500µm thickness range. In film thickness 12µm to 125µm, MYLAR® A is slightly hazy. In film thicknesses 190µm and above, MYLAR® A is hazy. Type MYLAR® A is primarily used for release applications, office supplies, electrical insulation and industrial laminations with other flexible materials.

Film Properties (typical values)

Type MYLAR® A has a tensile strength that averages 210 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				
			190	250	300	350	500
Thickness	---	micron	190	250	300	350	500
Tensile Strength (Mpa)	ASTM D 882	MD	190	190	190	190	150
		TD	220	200	200	190	170
Modulus (Mpa)	ASTM D 882	MD	3300	3100	3000	2950	2600
		TD	3700	3500	3200	3200	2800
Elongation (%)	ASTM D 882	MD	190	210	210	240	270
		TD	140	170	180	200	240
Shrinkage 150°C for 30 min (%)	ASTM D 1204	MD	1.3	1.3	1.3	1.3	0.9
		TD	1.3	1.3	1.3	1.3	0.9
Shrinkage 200°C for 30 min (%)	ASTM D 1204	MD	3.5	3.5	3.5	3.5	2
		TD	3.3	3.3	3.5	3.3	1.7
Haze (%)	ASTM D 1003		82	90	92	96	97
	Gardner Hazemeter						
Dielectric Strength (minimum) (kV)	ASTM D 149		17.5	19	19.5	20	20

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