



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

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**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.

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