



# 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
<b>Thickness</b>	---	micron	<b>190</b>	<b>250</b>	<b>300</b>	<b>350</b>	<b>500</b>
<b>Tensile Strength (Mpa)</b>	ASTM D 882	MD	190	190	190	190	150
		TD	220	200	200	190	170
<b>Modulus (Mpa)</b>	ASTM D 882	MD	3300	3100	3000	2950	2600
		TD	3700	3500	3200	3200	2800
<b>Elongation (%)</b>	ASTM D 882	MD	190	210	210	240	270
		TD	140	170	180	200	240
<b>Shrinkage 150°C for 30 min (%)</b>	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
<b>Shrinkage 200°C for 30 min (%)</b>	ASTM D 1204	MD	3.5	3.5	3.5	3.5	2
		TD	3.3	3.3	3.5	3.3	1.7
<b>Haze (%)</b>	ASTM D 1003 Gardner Hazemeter		82	90	92	96	97
<b>Dielectric Strength (minimum) (kV)</b>	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

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.

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