



**Mylar®**  
polyester film

**Mylar® A 12 - 36µm**

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					
			12	15	19	23	30	36
Thickness	---	micron	12	15	19	23	30	36
Tensile Strength (MPa)	ASTM D 882	MD	190	200	210	210	230	220
		TD	210	220	230	230	260	260
Modulus (MPa)	ASTM D 882	MD	4100	4100	4000	4000	4000	3900
		TD	4100	4000	4200	4200	4300	4300
Elongation (%)	ASTM D 882	MD	100	100	110	120	120	120
		TD	100	100	100	100	100	100
Shrinkage 150°C for 30 min (%)	ASTM D 1204	MD	1.2	1.3	1.5	1.5	2.2	2.0
		TD	0	0	0.7	0.8	2.0	2.0
Shrinkage 200°C for 30 min (%)	ASTM D 1204	MD	4.5	4.5	5.0	4.5	7.5	7.5
		TD	0.7	1.2	3.5	3.0	7.5	7.5
Haze (%)	ASTM D 1003		5.5	7	11	15	18	22
	Gardner Hazemeter							
Dielectric Strength (minimum) (kV)	ASTM D 149		2.5	2.7	3	4	4.8	5.5

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

**Food contact advice**

Mylar® A has not been assessed against European Food Contact Legislation. A European Food Contact Legislation compliant Mylar® FA is available in thickness range 6 to 100 µm for packaging applications.

**Disposal**

Disposal of Mylar® A does not present special disposal problems. Where waste occurs in a clean, uncontaminated form, it can be recycled. In most circumstances, once Mylar® A has been laminated, coated, printed or metallized, incineration with Energy Recovery is the most environmentally efficient recovery route. Mylar® A can also be burned in an incinerator with normal refuse or can be buried as a relatively inert material in a landfill. The disposal method should comply with appropriate local and country regulations.

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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-50102-3-DTF and H-50103-3-DTF.

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