



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	240	210	210	200
Modulus (MPa)	ASTM D 882	MD	3800	3900	3700	3600
		TD	4300	4100	4000	3900
Elongation (%)	ASTM D 882	MD	140	140	140	150
		TD	110	110	110	110
Shrinkage 150°C for 30 min (%)	ASTM D 1204	MD	1.2	1.0	1.1	1.0
		TD	1.0	1.0	1.1	1.0
Shrinkage 200°C for 30 min (%)	ASTM D 1204	MD	3.5	3.0	3.0	2.8
		TD	3.2	2.5	2.6	2.3
Haze (%)	ASTM D 1003 Gardner Hazemeter		25	35	42	45
Dielectric Strength (minimum) (kV)	ASTM D 149		7.7	10	11.75	13.5

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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