

DuPont Teijin Films Luxembourg S.A.

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Mylar® Type A

Polyester Film

Thickness Range 190-500 µm

Profile

MYLAR® polyester film is a flexible, strong and durable film with a balance of properties making it suitable for many industrial applications. Type A MYLAR® is a tough general purpose film available in 12 through 500µm thickness range.

In film thicknesses 12 to 125µm, MYLAR® A is slightly hazy.
 In film thicknesses 190µm and above, MYLAR® A is hazy.

Type A MYLAR® is primarily used for release applications, office supplies, electrical insulation and industrial laminations with other flexible materials.

Properties

Type A MYLAR® 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 plasticizers, Type A MYLAR® does not become brittle with age under normal conditions.

The very thick MYLAR® films give unique electrical and mechanical properties.

Typical values for major properties are as follows:

Property/Method			190A	250A	300A	350A	500A
Tensile Strength (MPa)	ASTM D 882	M	190	190	190	190	150
		T	220	200	200	190	170
Modulus (MPa)	ASTM D 882	M	3300	3100	3000	2950	2600
		T	3700	3500	3200	3200	2800
Elongation (%)	ASTM D 882	M	190	210	210	240	270
		T	140	170	180	200	240
Shrinkage 150°C for 30 min. (%)	ASTM D 1204	M	1.3	1.3	1.3	1.3	0.9
		T	1.3	1.3	1.3	1.3	0.9
Shrinkage 200°C for 30 min. (%)	ASTM D 1204	M	3.5	3.5	3.5	3.5	2.0
		T	3.3	3.3	3.5	3.3	1.7
Haze (%)	ASTM D 1003 Gardner Hazemeter		82	90	92	96	97
Dielectric Strength (minimum) (kV)	ASTM D 149		17.5	19	19.5	20	20