

POLYESTER FILM MYLAR® A

Description	Made from polyethyleneterephthalate, this film has excellent physical properties. The condensation of ethyleneglycol with dimethylterephthalate results in a film with superb chemical and dielectric characteristics. Class B (130°C) in accordance with VDE 0530 / appendix.
Properties	Polyesterfilm has good tear and rupture resistance, outstanding dielectric strength, good resistance to heat and cold. It is resistant to common solvents and does not degrade or dissolve.
Application	In electric motors as phase and slot insulation, also available as pre-formed wedges (Class B) or slot liners. For the manufacture of transformers, relay coils and ballasts it is used as interlayer, core and final insulations. Also available 'feathered' for interlayer insulation.
Make-up	Mylar® can be supplied in slit rolls from 6 mm width upwards. Rolls have an overall diameter of app. 250 / 330 mm or 460 mm, as required. Synflex has in-house slitting and feathering facilities and we specialise in feathering up to 300 mm roll width, 11 mm depth. All polyesterfilm rolls are divided into halves when being feathered. Core i.d. is 3" or 76 mm.

Technical Data

Overall Thickness	µm	19	23	36	50	75	100
Thickness Tolerances	%	10					
Specific Weight	g/m ²	27	32	50	70	105	140
Yield	m ² /kg	38	31	20	14	9,6	7,2
Dielectric Strength at Alternating Current 50 Hz, 25°C	kV/mm	350	300	240	210	175	150
Dielectric Strength at Alternating Current 50 Hz 25°C		3.3					
Dielectric Loss Factor at Alternating Current 50 Hz, 25°C		0.0025					

Overall Thickness	µm	125	190	250	300	350	420	480
Thickness Tolerances	%	10						
Specific Weight	g/m ²	175	265	350	418	480	586	670
Yield	m ² /kg	5.7	3.8	2.9	2.4	2.1	1.7	1.5
Dielectric Strength at Alternating Current 50 Hz, 25°C	kV/mm	125	100	80	75	70	65	60
Dielectric Strength at Alternating Current 50 Hz 25°C		3.3						
Dielectric Loss Factor at Alternating Current 50 Hz, 25°C		0.0025						

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