



Feature By adopting the design of electrician homo-polypropylene with ultra-high purity, the film is made by biaxial extended through a flat membrane process. It features good thickness and uniformity and high mechanical strength. The winded capacitors take on the characteristics of low dielectric dissipation and high insulation resistance.

Application scope M-PET: Mainly for Metalized film capacitors

Technical Feature (Typical value)			Unit	Typical Value	Test Condition
	Tensile strength	MD	Mpa	256	Extension Rate: 100%/min @23°C, 50%r.h. .
TD		Mpa	278.9		
Elongation at break	MD	%	99		
	TD	%	100.3		
Thermal Shrinkage Rate	MD	%	2.06	15min @ 120°C	
	TD	%	1.12		
Surface Roughness			µm	0.09	23°C
Breakdown Voltage (BDV) X			V/µm	457	at 23°C air
Volume Resistivity			Ω m	2.5*10 ¹⁵	23°C
Dielectric Dissipation Factor				3.0*10 ⁻³	50Hz or 1kHz @23°C
Reference Specification: IEC60674-2 Values above are reference only , not for contracting. NOTE:Uncorona-treated for Type SPP					

Film Thickness Code The nominal film thickness is indicated by its central value (integer value, e.g. 5.6.7 the first figure after decimal or its codes. The nominal film thickness of Topmay is that of the Mechanical Method Value (MMV) under 10 layers testing.

	Number	Letter	Number	Letter
	-0.4	B	0.1	V
	-0.3	C	0.2	W
	-0.2	D	0.3	X
	-0.1	E	0.4	Y
	0	L	0.5	Z

8D indicates 7.8µm in MMV; thickness; 12X indicates 12.3µm.
Note: The film of thickness 5E 6E 7E 8D 9D and 10D etc. are recommended.

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		MMV	µm	2.8	3	3.7	4.7	5.6	6.6	7.5	8.5	9.5
Thickness Tolerance	Average	%	±3									
	Individual Value	%	±9		±7			±5				
Finished Film Roll Width		mm	500 , 620									
Inner Diameter		mm	76.2 , 152.4									
Net Weight		kg	62 , 80									