



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 wound capacitors take on the characteristics of low dielectric dissipation and high insulation resistance.												
Application scope	M-PP: Mainly for Metallized film capacitors												
Technical Feature (Typical value)			Unit	Typical Value	Test Condition								
	Tensile strength	MD	Mpa	181.1	Extension Rate:100%/min @23℃, 50%r.h. .								
		TD	Mpa	281.2									
	Elongation at break	MD	%	183.9									
		TD	%	65.7									
	Thermal Shrinkage Rate	MD	%	3.5	15 min @ 120℃								
		TD	%	0.3									
	Wetting tension			mN/m	38	Corona treatment surface							
	Surface Roughness			μm	Ra 0.1/0.1 Rz 0.78/0.76 Rm 0.91/0.93	23℃							
	Breakdown Voltage (BDV) X			V/μm	576	at 23℃ air							
	Relative Permittivity				2.2	50Hz or 1kHz @ 23℃							
	Volume Resistivity			Ω·m	3*10 ¹⁵	23℃							
	Dielectric Dissipation Factor (Loss Tangent)				2.6*10 ⁻⁴	50Hz or 1kHz @23℃							
Reference Specification: IEC60674-2 Values above are reference only , not for contracting. Note:Uncorona-treated fot 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 7.8um in MMV; thickness; 12X indicates 12.3um. Note: The film of thickness 5E,6E,7E,8D,9D and 10D etc. are recommended.													
8D indicates 7.8um in MMV; thickness; 12X indicates 12.3um. Note: The film of thickness 5E,6E,7E,8D,9D and 10D etc. are recommended.	Thickness	WMV	μm	3L	4E	5E	6E	7E	8D	9D	10D	12D	
		MMV	μm	2.8	3.7	4.7	5.6	6.6	7.5	9	9.5	11.5	
	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									