



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.
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Application scope	M-PET; Mainly for Metallized film capacitors
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Technical Feature (Typical value)			Unit	Typical Value	Test Condition
	Tensile strength	MD		Mpa	326
TD			Mpa	260	
Elongation at break	MD		%	84	
	TD		%	113	
Thermal Shrinkage Rate	MD		%	1.8	15 min @ 120°C
	TD		%	0.9	
Surface Roughness			μm	0.098	23°C
Breakdown Voltage (BDV) X			V/μm	1.4	at 23°C air
Volume Resistivity			Ω·m	2.5*10 ¹⁵	23°C
Dielectric Dissipation Factor (Loss Tangent)				2.8*10 ⁻⁴	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.			
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	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

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 Note: The film of thickness 5E.6E.7E.8D.9D and 10D etc. are recommended.

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				Thickness	μm	2.8	3.7	4.7	5.6	6.6	7.5	9
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								