



Arabesquitic Safe Film- Metallized Polypropylene Zinc-Aluminum Film

Feature	By adopting the design of electrician homo-polypropylene with ultra-high purity, the film is made by biaxial extension 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 ₂ Mainly for Metallized film capacitors												
Technical Feature (Typical value)			Unit	Typical Value	Test Condition								
	Tensile strength	MD	Mpa	224	Extension Rate:100%/min @23°C, 50%r.h. .								
		TD	Mpa	321.1									
	Elongation at break	MD	%	169.3									
		TD	%	75.1									
	Thermal Shrinkage Rate	MD	%	3.8	15 min @ 120°C								
		TD	%	0.2									
	Wetting tension		mN/m	38	Corona treatment surface								
	Surface Roughness		μm	Ra 0.08/0.09 Rz 0.56/0.55 Rm 0.75/0.76	23°C								
	Breakdown Voltage (BDV) X		V/μm	578	at 23°C air								
	Relative Permittivity			2.2	50Hz or 1kHz @ 23°C								
	Volume Resistivity		Ω m	3*10 ¹⁵	23°C								
	Dielectric Dissipation Factor (Loss Tangent)			2.2*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.												
	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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		MMV	μm	2.8	3.7	4.7	5.6	6.6	7.5	9	9.5	11.5	
	Thickness Tolerance	Average	%	3	3.9	4.9	5.9	6.9	7.8	9	9.8	11.8	
		Individual Value	%	±3	±9			±7		±5			
	Finished Film Roll Width		mm	500 , 620									
	Inner Diameter		mm	76.2 , 152.4									
	Net Weight		kg	62, 80									