

Performance for silver metallized bopp & bopet capacitor film									
NO.	Item	unit	index						
			Metallized polypropylene film				metallized polyester film		
1	The nominal thickness	$\mu\text{m}$	<4	4~6	7~12	>12	<8	8~12	13~20
2	allowable thickness tolerance	%	$\pm 10$	$\pm 9$	$\pm 8$	$\pm 7$	$\pm 9$	$\pm 7$	$\pm 5$
3	tensile strength (vertical)	MPa	$\geq 100$				$\geq 180$	$\geq 170$	$\geq 150$
4	heat shrinkage	longitudinal	$\leq 5$				$\leq 4$	$\leq 4$	$\leq 3$
5	Electric strength	average value	$V_{DC}/\mu\text{m}$	$\geq 330$	$\geq 350$	$\geq 370$	$\geq 400$	$\geq 240$	$\geq 240$
6	square resistance	aluminum		2~4					
		Zinc	thickened side	2~4					
		aluminum	Non thickened side	6~10					
7	metal layer adhesion	—	metal layer should be firm, non shedding phenomenon.						

Note: Table 7 shows the sheet resistance for optimizing the production value of the capacitor, square resistance index value can be changed according to the different purposes and capacitor fabrication, can be agreed upon by both sides of supply and demand.

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**B. O. P. P. FILM SPECIFICATION**

- CORE ID : 150 mm  $\pm$  0.5 mm
- ROLL OD : 500 - 580 mm
- FILM WIDTH : 620 mm  $\pm$  1 mm
- CORE OUTER PROJECTION : 5 - 10 mm on either sides
- ROLL WEIGHT : 125 Kgs. Aprx.
- FILM LENGTH : 5 Mic - 47000 mtrs. aprx.  
6 Mic - 39000 mtrs. aprx.
- CORONA TREATMENT : OUTSIDE
- GRADE : HIGH-TEMP. (H.T.)
- SUITABILITY : METALLISATION
- END-USE APPLICATION : AC CAPACITORS
- THICKNESS TOLERANCE : 5 Micron -0.2 + 0.00  
6 Micron -0.2 + 0.00
- B.D.V. : Minimum 425V DC per Micron
- JOINTS : ONLY ONE ALLOWED BUT IT SHOULD NOT CUT-OPEN DURING METALLISATION.
- PACKING : SEAWORTHY
- SHELF-LIFE : MIN. SIX MONTHS FROM SUPPLY.

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