

Item		Unit	Results	Remark	
Standard Specification	Thickness	μm	10	Customer option	
	Width	mm	≥ 0.8	Customer option	
	Length	m	100	Customer option	
	Number of layer	-	2 layer	ACF $5\mu\text{m}$ + NCF $5\mu\text{m}$	
	Release Film	Type	-	White PET	
		Thickness	μm	50 (± 5)	
	Conductive Filler	Type	-	Ni/Polymer	
		Diameter	μm	3.0 ± 1	
		Density	pcs/mm ²	8,000	
	Minimum insulation Space		μm	4	
Minimum contact area		μm^2	1,500	Avg-3 σ ≥ 5	
Bonding Conditions	Pre-bonding	Temperature	$^{\circ}\text{C}$	70 ± 10	Ultimate temperature of ACF
		Time	sec.	1~2	
		Pressure	MPa	1~2	
	Final bonding	Temperature	$^{\circ}\text{C}$	150 ~ 190	Ultimate temperature of ACF
		Time	sec.	≥ 4	
		Pressure	MPa	3.0 ~ 6.0	
Shelf Life	Before open	Month	4.5	$-5^{\circ}\text{C} \sim 5^{\circ}\text{C}$	
	After open	Week	1	25°C , 75%RH or below	
Characteristics	Connection Resistance	Ω	< 5	4-point method	
	Insulation Resistance	Ω	$> 10^9$	2-point method	
	Adhesion Strength (at 25°C)	gf/cm	> 700	90° Peel strength 50mm/min	
	Acceptable reaction rate	%	> 80	by FT-IR method	