

Item		Unit	Results	Remark	
Standard Specification	Thickness	μm	15	Customer option	
	Width	mm	1.0, 1.2, 1.5 (±0.1)	Customer option	
	Length	m	100, 200, 300 (-0)	Customer option	
	Number of layer	-	2 layer	ACF 5μm + NCF 10μm	
	Release Film	Type	-	White PET	
		Thickness	μm	50 (±5)	
	Conductive Filler	Type	-	Ni/Polymer	
		Diameter	μm	4.0	
		Density	pcs/mm <sup>2</sup>	5,000	
	Minimum insulation Space		μm	7	
Minimum contact area		μm <sup>2</sup>	7,000	Avg-3σ ≥5	
Bonding Conditions	Pre-bonding	Temperature	°C	70 ± 10	Ultimate temperature of ACF
		Time	sec.	1~2	
		Pressure	MPa	1~2	
	Final bonding	Temperature	°C	130 ~ 190	Ultimate temperature of ACF
		Time	sec.	≥ 4	
		Pressure	MPa	3.0~5.0	
Shelf Life	Before open	Month	4.5	-5°C ~ 5°C	
	After open	Week	1	25°C, 75%RH or below	
Characteristics	Connection Resistance	Ω	< 5	4-point method	
	Insulation Resistance	Ω	> 10 <sup>9</sup>	2-point method	
	Adhesion Strength (at 25°C)	gf/cm	> 700	90° Peel strength 50mm/min	
	Acceptable reaction rate	%	> 80	by FT-IR method	