

FURUKAWA ELECTRIC

UV-Tape for Laser Dicing Process

FS-1006

FS-1063

FS-1076

Characteristics

Item		FS-1006	FS-1063	FS-1076	
Composition	Backing Film	PET	PET	PET	
	Ashesive Layer	Acrylic	Acrylic	Acrylic	
	Liner Film	PET	PET	PET	
Thickness (μm)	UV-Tape	63	73	81	
	Liner Film	38	38	38	
	Total Thickness	101	111	119	
Adhesive Strength (N/25mm)	SUS	Before UV	2.20	1.85	2.80
		After UV	0.41	0.50	0.39
	Si	Before UV	1.07	1.03	1.63
		After UV	0.21	0.19	0.12

Values listed in the table are typical.

Adhesive strength Test Conditions

- 1) Substrate: Si = Mirror-Polished Silicon Wafer, SUS = #280-Polished Stainless Steel Plate
- 2) Peeling Angle: 90 degrees
- 3) Peeling Speed: 50mm/min
- 4) UV lamp: Metal-halide high-pressure mercury lamp