

Trial result High speed oven @TCT in Thailand

CONFIDENTIAL

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Fujikura Kasei (Thailand) Co., Ltd.
Technical Dept.

Trial No.		1	2	3	4	5	6
Spray condition	Formula	#4800FM-TK	←	←	←	#4800FM-R	#77M
	Color	11BK01-TGT	←	←	←	21SV42	21SV80
	Thinner	PB#8-6 (EXP15316)	←	#5709	PB#8 (EXP-15300)	EXP-15315	#1285
	Hardener	#4800FM	←	←	←	←	←
	Mix ratio	100:20:80	←	100:15:80	100:15:80	150:5:130	100:80
	Viscosity(sec.)	N.I	N.I	N.I	N.I	N.I	N.I
	Baking condition	pass time*5min.	←	←	←	←	←
	Note	Temp. lower	Temp. higher	Temp. Stn	←	←	←
	DFT by CS (μm)	22-24	25-27	19-21	30-32	18-19	21-22
Substrate		ABS	←	←	←	←	←
Annealing treatment		Non	Non	Non	Non	Non	Non
Appearance	Leveling	○	○	○	○	○	○
	Crack	○-	○△	○	△	○	○
	Packing	×	△×	△	△	○	○
	Substrate deform	△	×	○△	×	○	○
Initial Adhesion	Crosscut (1mm) 0/100 (No peeling)	Pass	Pass	Pass	Pass	Pass	Pass
Adhesion in humid condition	50°C × 95%RH × 240Hr 0/100 (No peeling)	Pass	Pass	Pass	Pass	Pass	Pass
Resistance to temperature and humidity cycles*	3 cycles No appearance NG, No peeling	Pass	Pass	Pass	Pass	Pass	Pass
Sunscreen (1)**	Judge	Pass	Pass	Pass	Pass	Pass	Pass
	Grease staining Observe after tests.	3	3	3	3	4	4
	Adhesion X-CUT	10	10	10	10	10	10
	Hardness, Mitsubishi Uni approx. 3cm×5 pencils	F/HB	F/HB	HB/HB	HB/HB	HB/B	F/F

*Condition of cycle resistance(1cycle) :

90°C×15.5Hr→Room Temp.0.5Hr→-30°C×7.5Hr→Room Temp.0.5Hr→49±1°C→95%RH×15.5Hr→Room Temp.0.5Hr→-30°C×7.5Hr→Room Temp.0.5Hr

**Condition of Sunscreen method TIS 01255-00179 Sunscreen(1) : 55°C × 4hr × (0.5g/100cm²)