

INV. No. _____

TEST CERTIFICATE

TAIYO INK MFG. CO., LTD.

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FLEXFINER-35SA (TR74715) 226L35S

Lot No.1031817

General Judgment

PASS

22 March, 2021

Item	Test method	Specifications	Result
Appearance	Visual inspection	- No uneven coating, stripe, roll-up wrinkle and pin-hole.	PASS
Resist thickness	Stylus profile measuring system (Just after the Film production)	A-layers : 5.0+/- 1.0 um A+B layers : 35.0+/- 2.0 um	5.2um 35.3um
Film width	JIS 1(st) class grade (Just after the Slit)	226 +/- 1.0 mm	226mm
Photo Sensitivity	On FR-4 base material Step Tablet:: KODAK No.2 At 210mJ / cm2 on top of base Film with 90deg.C / 40min. after Exposure	Gross sensitivity: 4 MIN Residual sensitivity: 9 MIN	Gross 4step Residual 9steps
Developability	90deg.C / 40min. after Lamination 1wt%, Na2CO3aq, 30deg.C, 70sec. 0.196MPa (2kg/cm2)	No ink residue after develop No blister and/or No peeling of solder resist after development	PASS

Remarks;

Curing condition
Exposure; 210mJ/cm² (High-pressure mercury short arc lamp, on top of base film)
PEB; 90deg. C / 40min. (Hot air convection oven)
PostCure; 150deg C / 60min. (Hot air convection oven)

Pencil hardness	TAIYO Internal Test Method (GIP-011A)	Above 3H	3H
Adhesion	TAIYO Internal Test Method (GIP-012A)	100 / 100	Pass
Solder Resistance	TAIYO Internal Test Method (GIP-013B) Rosin based flux; 260 +/- 5deg C 10 sec. x 1 cycle	No blistering and / or No peeling	Pass
Solvent Resistance	Immersed in PGM-Ac 20°C / 20min	No blistering and/or No peeling	Pass

RoHS Compliance

Tested by: *R. Fukawa*

Approved by: *K. Joneda*