

INV. No. _____

TEST CERTIFICATE

TAIYO INK MFG. CO., LTD.

1-1 Kurosakishiroishi, Yahatanishi-ku,
Kitakyushu-City, Fukuoka, 806-0004 Japan
Quality assurance Group
TEL. +81-93-644-2733

FLEXFINER-35SA (TR74715) 226L35S

Lot No.1061817

General Judgment
PASS
22 June, 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	5.5um 34.6um
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 / cm ² 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% , Na ₂ CO ₃ aq., 30deg.C , 70sec. 0.196MPa (2kg/cm ²)	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. Hatake*

Approved by: *H. Yoneda*