

INV. No. _____

TEST CERTIFICATE

To _____

PSR-800 AUS AZ5-F (TR75312)
486A23

Lot No.1031717

TAIYO INK MFG. CO., LTD.

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 Technical Development Sec.
 IC Packaging Materials Dept.
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General Judgment
PASS
23 March. 2021

Item	Test method	Specifications	Result
Appearance	Visual inspection (100 mm)	No uneven coating, stripe, roll-up wrinkle	PASS
Resist thickness	Stylus profile measuring system (Just after the Film production)	23 +/- 2.0 um	22.9 um
Film width	JIS 1 st class grade (Just after the Slit)	486 mm	486mm
Photo Sensitivity	On copper base material Step Tablet:Stouffer 41 steps	On the cover-film, 10 MIN. at 175mJ/cm ² No. 10+/- 1	No.11
Developability	80 deg-C/ 10 min after Lamination 1wt%, Na ₂ CO ₃ , 30 deg-C 0.196MPa (2kg/cm ²) 60sec	No ink residue remains on copper No blistering and/or peeling of solder resist after development	PASS

Remark; Curing condition
 Exposure;175mJ/cm²(Projection i line exposure)
 (High-pressure mercury short arc lamp)
 UV Cure ;2000mJ/cm²
 170°C/60min .(Hot air convection oven)

Pencil hardness	TAIYO Internal Test Method (GIP-010AB)	6H or above (On copper)	6H over
Adhesion	TAIYO Internal Test Method (GIP-008AA)	100/100	100/100
Solder Resistance	TAIYO Internal Test Method (GIP-009AA) Rosin based flux;260+/- 5°C 10 sec. × 3 cycle	No blistering and/or No peeling	PASS
Solvent Resistance	Immersed in PGM-Ac 20°C / 30min	No blistering and/or No peeling	PASS

Tested by: _____ Sawako Shimada

Approved by: _____ Chiho Ueta