

INV. No. \_\_\_\_\_

## TEST CERTIFICATE

To \_\_\_\_\_

**PSR-800 AUS AZ5-F (TR75312)**  
**486mm × 10m × 23um**

Lot No.1020515

**TAIYO INK MFG. CO., LTD.**

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 SAITAMA, 355-0215 JAPAN  
 Technical Development Sec.  
 IC Packaging Materials Dept.  
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General Judgment
<b>PASS</b>
10 February, 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 <sup>st</sup> 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 <sup>2</sup> No. 10+/- 1	No.11
Developability	80 deg-C/ 10 min after Lamination 1wt%, Na <sub>2</sub> CO <sub>3</sub> , 30 deg-C 0.196MPa (2kg/cm <sup>2</sup> ) 60sec	No ink residue remains on copper No blistering and/or peeling of solder resist after development	PASS

Remark; Curing condition  
 Exposure; 175mJ/cm<sup>2</sup>(Projection i line exposure)  
 (High-pressure mercury short arc lamp)  
 UV Cure ;2000mJ/cm<sup>2</sup>  
 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: \_\_\_\_\_ Shotaro Tane \_\_\_\_\_

Approved by: \_\_\_\_\_ Chiho Ueta \_\_\_\_\_

# ST. CATHARINE'S HOSPITAL

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