

TAIYO AMERICA, INC.  
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## CERTIFICATE OF ANALYSIS and CONFORMANCE

This is to certify that the following product has been inspected prior to sale and shipment, and complies with Taiyo America's manufacturing specifications for this product.

PSR-9000 FLX05W

Lot # 0102027

Mfg. Date: 10-20-20

Warranty Ends: 4-20-21

### PROPERTY VISCOSITY

### TEST METHOD

Toki Sangyo RE100U Viscometer  
5 rpms @ 25°C

### MANUFACTURING SPECIFICATION

Before mixing: 330 - 410 ps  
After mixing: 200 - 240 ps

### RESULT

370 ps  
223 ps

### THIXOTROPIC INDEX

Toki Sangyo RE100U Viscometer  
Viscosity ratio: 5 rpm / 50 rpm

Before mixing: 1.00 - 1.40  
After mixing: 1.00 - 1.40

1.26  
1.21

### FINENESS OF GRIND

TAI-0-0002

25 microns or less.

5 microns

### VISUAL EXAMINATION

Microscopic examination:

1. 1-mil drawdown of wet film

No bubbles, pits, voids,  
particles, color differences.

Passed ☒

2. Wet film drawdown on  
grind gauge

No bubbles, pits, voids,  
particles, color differences.

Passed ☒

### SCREENABILITY

Visual inspection of screen  
printed panel

No surface defects,  
such as bubbles, pinholes, etc.

Passed ☒

### TACK-DRY

Hot air convection oven  
80°C / 40 minutes

Tack-free to the touch

Passed ☒

### IMAGING

ORC HMW 680GW - 7 kW  
600 mJ / cm<sup>2</sup>

Stouffer 21 step: Report Only  
(clear on copper)

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Horizontal Developer - 1% Na<sub>2</sub>CO<sub>3</sub>  
30°C (86°F) / 60 secs., 28 psi

### RESISTANCE TO SOLDERING (\*)

260°C (500°F) / 5 sec x 1 cycle  
Rosin-based flux

No discoloration, peeling,  
or blistering

Passed ☒

### SOLVENT RESISTANCE (\*)

Immersion in PM Acetate  
20°C / 20 mins.

No swelling, softening,  
or blistering

Passed ☒

### PENCIL HARDNESS (\*)

TAI-0-0020

H or greater

6H

### ADHESION (\*)

TAI-0-0021

100/100 on copper

Passed ☒

(\*) - Final cure for these tests was 60 minutes @ 150°C (302°F) in a convection oven.

Verified By:

Q.C. SUPERVISOR 10/22/20  
Name, Title, Date