

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 FLX05W2

Lot # 0092137

Mfg. Date: 9-21-20

Warranty Ends: 3-21-21

**PROPERTY**  
**VISCOSITY**

**TEST METHOD**

Toki Sangyo RE100U Viscometer  
 5 rpms @ 25°C

**MANUFACTURING SPECIFICATION**

Before mixing: 280 - 340 ps  
 After mixing: 200 - 240 ps

**RESULT**

309 ps  
 221 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

1.27  
 1.27

**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 / 30 minutes

Tack-free to the touch

Passed

**IMAGING**

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

Stouffer 21 step: Report Only  
 (clear on copper)

10

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

3H

**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:

*[Signature]* P.C. SUPERVISOR 9/23/20  
 Name, Title, Date