

TAIYO AMERICA, INC.  
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**CERTIFICATE OF 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-4000 SG100HF

Lot # 0012747

Mfg. Date: 1-27-20

Warranty Ends: 7-27-20

**PROPERTY**  
**VISCOSITY**

**TEST METHOD**

Toki Sangyo RE100U Viscometer  
5 rpms @ 25°C

**MANUFACTURING SPECIFICATION**

Before mixing: 420 - 520 ps  
After mixing: 160 - 200 ps

**RESULT**

432 ps  
186 ps

**THIXOTROPIC INDEX**

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

After mixing: 1.2 - 1.6

1.2

**FINENESS OF GRIND**

TAI-0-0002

17.5 microns maximum

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  
200 mJ / cm<sup>2</sup>

Report Only  
(clear on copper)

9

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

**RESISTANCE TO SOLDERING (\*)  
SOLVENT RESISTANCE (\*)**

260°C (500°F) / 30 sec x 1 cycle  
Rosin-based flux  
Immersion in PM Acetate  
20°C / 20 mins.

No discoloration, peeling, or blistering  
No swelling, softening, or blistering

Passed

Passed

9H

**PENCIL HARDNESS (\*)**

TAI-0-0020

7H or greater

**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]*  
 Name, Title, Date  
 P.C. SUPERVISOR 2/5/20