

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 CC100SGHF

Lot # **9051787**

Mfg. Date: **5-17-19**

Warranty Ends: **11-17-19**

PROPERTY
VISCOSITY

TEST METHOD

Toki Sangyo RE100U Viscometer
5 rpms @ 25°C

MANUFACTURING SPECIFICATION

Before mixing: 350 - 450 ps
After mixing: 130 - 170 ps

RESULT

376 ps
162 ps

THIXOTROPIC INDEX

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

Before mixing: 1.40 - 1.80
After mixing: 1.20 - 1.60

1.78
1.34

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
300 mJ / cm²

Report Only
(clear on copper)

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Horizontal Developer - 1% Na₂CO₃
30°C (86°F) / 60 secs., 28 psi

RESISTANCE TO SOLDERING (*)

260°C (500°F) / 30 sec x 1 cycle
Rosin-based flux

No discoloration, peeling, or blistering

Passed

8H

PENCIL HARDNESS (*)

TAI-0-0020

6H 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:

Name,

Title,

Date

[Signature] Q.C. SUPERVISOR 5/22/19