

TAIYO AMERICA, INC.
2675 Antler Drive, Carson City, NV 89701
Phone: (775) 885-9959 Fax: (775) 885-9972

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 FLX03G LDI

Lot # 0122117

Mfg. Date: 12-21-20

Warranty Ends: 6-21-21

PROPERTY
VISCOSITY

TEST METHOD

Toki Sangyo RE100U Viscometer
5 rpms @ 25°C

MANUFACTURING
SPECIFICATION

After mixing: 160 - 200 ps

RESULT

182 ps

THIXOTROPIC INDEX

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

After mixing: 1.0 - 1.3

1.2

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
100 mJ/sq cm² (Under Artwork)
Horizontal Developer - 1% Na₂CO₃
30°C (86°F) / 60 secs., 28 psi

Stouffer 21 step: 7 - 9
(clear on copper)

7

**RESISTANCE TO
SOLDERING (*)**

260°C (500°F) / 10 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

3H or greater

4H

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 12/20/20

Name,

Title,

Date