

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

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 HPG

Lot # 1012717

Mfg. Date: 1-27-21

Warranty Ends: 7-27-21

PROPERTY  
 VISCOSITY

TEST METHOD

Toki Sangyo RE100U Viscometer  
 5 rpms @ 25°C

MANUFACTURING SPECIFICATION

Before mixing: 205 - 255 ps  
 After mixing: 135 - 165 ps

RESULT

216 ps  
 147 ps

THIXOTROPIC INDEX

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

After mixing: 1.2 - 1.8

1.6

FINENESS OF GRIND

TAI-0-0002

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 / cm<sup>2</sup>

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

Report Only  
 (clear on copper)

9

RESISTANCE TO SOLDERING (\*)

260°C (500°F) / 30 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

5H or greater

9H

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:

J.H. P.C. SUPERVISOR 1/29/21  
 Name, Title, Date