

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. This product meets the requirements of IPC-4781 and the performance requirements of A-A-56032D, Type II, as it applies to printed circuit boards applications.

PSR-4100 YL (HD) 75/25

Lot # 6101917

Mfg. Date: 10/19/26

Warranty Ends: 07/19/27

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>MANUFACTURING SPECIFICATION</u>	<u>RESULT</u>
VISCOSITY	Toki Sangyo RE100U Viscometer 5 rpms @ 25°C	Before mixing: 180 -200 ps After mixing: 120 - 160 ps	199 ps 132 ps
THIXOTROPIC INDEX	Toki Sangyo RE100U Viscometer Viscosity ratio: 5 rpm / 50 rpm	After mixing: 1.2 - 1.6	1.5
FINENESS OF GRIND	TAI-0-0002	15 microns maximum	5 microns
VISUAL EXAMINATION	Microscopic examination: 1. 1-mil drawdown of wet film 2. Wet film drawdown on grind gauge	No bubbles, pits, voids, particles, color differences. No bubbles, pits, voids, particles, color differences.	Passed Passed
SCREENABILITY	Visual inspection of screen printed panel	No surface defects, such as bubbles, pinholes, etc.	Passed
TACK-DRY	Hot air convection oven 90°C / 30 minutes	Tack-free to the touch	Passed
IMAGING	ORC HMW 680GW - 7 kW 500 mJ / cm ² Horizontal Developer - 1% Na ₂ CO ₃ 30°C (86°F) / 60 secs., 28 psi	Stouffer 21 step: 8 - 10 (clear on copper)	9
RESISTANCE TO SOLDERING (*)	260°C (500°F) / 10 sec x 3 cycles Rosin-based flux	No discoloration, peeling, or blistering	Passed
SOLVENT RESISTANCE (*)	Immersion in PM Acetate 20°C / 30 mins.	No swelling, softening, or blistering	Passed
PENCIL HARDNESS (*)	TAI-0-0020	7H or greater	8H
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:

Rebecca Wurthmann, QC Technician 10/20/26
Name, Title, Date