

TAIYO AMERICA, INC.
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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.

This product meets all the requirements of IPC-SM-840E Classes H and T and Bellcore (Telecordia) GR-78-CORE and is UL recognized 94V-0 (file #E166421. UL Name: S-222NA).

S-222NA (402)

Lot # 9112217

Mfg. Date: 11-22-19
Warranty Ends: 5-22-20

PROPERTY VISCOSITY

TEST METHOD

Toki Sangyo RE100U Viscometer
5 rpms @ 25°C

MANUFACTURING SPECIFICATION

Before mixing: 280 - 320
After mixing: Report Only

RESULT

291 ps
366 ps

THIXOTROPIC INDEX

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

Before mixing: 1.5 - 1.9
After mixing: Report Only

1.6
1.8

FINENESS OF GRIND

TAI-0-0002

15 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 coated panel

No surface defects,
such as bubbles, pinholes, etc.

Passed ☒

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

6H or greater

8H

ADHESION (*)


TAI-0-0021

100/100 on copper

Passed ☒

(*) - Final cure for these tests was 20 minutes @ 140°C (284°F) in a convection oven

Verified By:

 Q.C. SUPERVISOR 11/27/19
Name, Title, Date