

FLUID PERFORMANCE TEST

Fluid Test Report No.: FT-0011

Lubricant Name: "Krytox"-FG 45

Manufacturer: Dupont

Customer: SIG

Application: Bake Ovens

Contact Name: Austin Kozman

Contact Phone: (972)-509-8641

Date: 4/8/2003

Test Date: 4/8/2003

Nozzle used: SWN-IL-NY-00-2

Item #: 570-85266-0002

Injector size: 1/2 Drop
 1 Drop
 2 Drop

Injector configuration:
Cycle Time: Varied
Dwell Time: 0.3 - 0.8 sec.
Delay Time: 0.3 - .08 sec.

Tubing Length (Ft.): 3-FT

Regulator Pressure (PSI): Varied

Test Temperature
Ambient
Heated

Temperature (deg. F): Ambient

Test Objective: To determine spray pattern & coverage.

Nozzle Gap Size (In.): N/A

Nozzle Orifice Size (In.): 0.046

Spray Distance (In.): 2"

Spray Width Achieved: Varied

	<u>None</u>	<u>Low</u>	<u>Medium</u>	<u>High</u>
Pulse	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Splatters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Atomizes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overspray	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

TEST NOTES

This fluid was very thick and took a long time to bleed through injector stack assy,
injector Delay & Dwell times were varied (.3 - .8 Sec.) Nozzle air pressure was also varied (5-30 Psig)
the Nozzle was mounted 2" above the surface of material (paper towel on a roll) that was passed through the spray output of the Nozzle
spray pattern & width were very inconsistent irregardless of timing & Nozzle air pressure settings.
at Ambient temperature this fluid does not appear to spray very well with the ORSCO system
these Results could change at different heated Temperatures

Tested By: Mark Aupperle

Sales: _____

Engineering: Steve Gorski