

FLUID PERFORMANCE TEST

Fluid Test Report No.: FT-0010

Lubricant Name: "Krytox"-FG 50

Manufacturer: Dupont

Customer: SIG

Application: Bake Ovens

Contact Name: Austin Kozman

Contact Phone: (972)-509-8641

Date: 4/1/2003

Test Date: 4/4/2003

Nozzle used: SWN-IL-NY-00-2 /TPN-IL-NY-00-3

Item #: 570-85266-0002

Injector size: 1/2 Drop
 1 Drop
 2 Drop

Injector configuration:
Cycle Time: 1.0 sec.
Dwell Time: 0.5 sec.
Delay Time: 0.5 sec.

Tubing Length (Ft.): 3-FT

Regulator Pressure (PSI): 20 Psig.

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: 1/4"

Spray Quality

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

TEST NOTES

A Double drop injector performed the best with this fluid, Nozzle Air pressure was set at 20 PSI injector cycle rate was set to .5 Sec. Delay & .5 Sec. Dwell. For an overall cycle time of one second, 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 a 1/4" spray width was achieved @ these settings with An estimated feed rate of 2 Feet per Second. No tail was seen on the paper a continuous 1/4" fluid coverage was Maintained. This fluid was also tested with a pulse type spray Nozzle (TPN-IL-NY-00-3) a fading with a small tail was seen on the paper (was not able to remove frequency of inj.)

Tested By: Mark Aupperle

Sales: _____

Engineering: Steve Gorski