



# TEST REPORT

3883 E. Eagle Drive, Anaheim, CA 92807-1722 / Phone 714-630-3003 • Fax 714-630-4443

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PTM & W Industries, Incorporated  
10640 South Painter Avenue  
Santa Fe Springs, California 90670

OCMTL NO.: 261280  
DATE OF REPORT: August 2, 2006  
PURCHASE ORDER NO: 18573  
PHONE: 562 946-4511  
FAX: 562 941-4773

Attn: Bill Ryan

## Background:

PTM&W Industries submitted 3 samples for the purpose Flammability testing per FAA FAR Volume III, Part 25.853 (a), Appendix F, Part 1 (a) (1) (ii). The samples were identified as follows:

- 1) Cured Urethane Panels, P/N PT8952 A/B, 11" X 2.75" X 0.082" (2.08mm)

## Reference Documents:

Flammability Test Procedure: FAR Volume III, Part 25.853 (a), Appendix F, Part 1 (a) (1) (ii).  
Purchase Order Number: 18573

**Test Date:** 07-31-2006

**Test Performed By:** Steve Nelson

## TESTING:

Prior to testing, each specimen was conditioned for 24 hours at a temperature of  $21 \pm 2^\circ\text{C}$  and  $50\% \pm 5\%$  relative humidity.

The specimens were each inserted in a fixture vertically that allowed the bottom edge to be 0.75 inch above the top of the burner. A burner with a tube of 0.375 inside diameter was used. The gas-adjusting valve was set to provide a vertical flame of 1.00 inch in height with methane gas. Minimum flame temperature must be  $1550^\circ\text{F}$ .

Flame was applied for 12 seconds then removed. Flame time, burn length and flaming time of drippings, if any, were recorded.

The following observations, measurements and calculations were made.

## TEST RESULTS:

*Flammability Test Data Per FAR Volume III, Part 25.853 (a), Appendix F, Part 1 (a) (1) (ii).*

	Sample #1	Sample #2	Sample #3	Average	Requirements
Flame Temp Degrees F.	1604	1596	1589	1596	1550°F minimum
Flaming Particles	None	None	None	None	
Flaming Drippings	None	None	None	None	Extinguish Time 5 Seconds Max
Burn Length Inches	0.629	0.582	0.641	0.617	8 Inches Max
Flame Extinguish Time Seconds	2.0	8.2	3.5	4.56	Extinguish Time 15 Seconds Max



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**OBSERVATIONS:**

On all three samples tested, there were no flaming particles or drippings.

**CONCLUSION:**

The Samples tested met the requirements of FAR Volume III, Part 25.853 (a), Appendix F, Part 1 (a) (1) (ii).

**Calibration of Equipment Used:**

EQUIPMENT:	CONTROL NUMBER:	CALIBRATION DATE:	CALIBRATION DUE:
Burn Chamber	2049	04-06-06	04-06-07
Gas Pressure Gauge	2049B	04-06-06	04-06-07
Digital Timer	2049E	04-06-06	04-06-07
Digital Temp Readout	2049A	04-06-06	04-06-07
Conditioning Chamber	1094	07-01-04	07-31-06

This is to certify that the above tests were performed in accordance with the terms of the purchase order requirements.  
Test equipment calibrated with standards traceable to the NIST.



John A. Brunet  
Director of Quality

Test results in this report relates only to the items tested.

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