

## Smoke Density (Flaming Mode) Results

<b>Regulation:</b>	14 CFR 25.853(d)	<b>Criteria:</b>	14 CFR 25, Appendix F, Part V	<b>Procedure:</b>	14 CFR 25, Appendix F, Part V
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Customer Information
TWN Industries 25490 SW 141 Ave Princeton, Florida 33032

Sample Information
Substrate: Aluminum, PPS Aero Primer 1K (1mil) PPS Aero Base Coat (Aviation Gray) (1mil) PPS Aero Clear Coat /Finish (1mil) Film Inks -WTP 279 (Wood Pattern)

Conditioning: 24 hours minimum at 70 ± 5 °F and 50 ± 5 %RH.	Radiant Heat Flux: 2.51 W/cm <sup>2</sup>
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Sample	Maximum Specific Optical Density ( <sup>4</sup> D <sub>m</sub> ) (during first 4 minutes)	Time of Occurrence (s)
1	12.0	234
2	19.0	236
3	21.0	237
<b>Average:</b>	<b>17.3</b>	<b>236</b>
Result:	PASS	

**Acceptance Criteria:**  
 The average Maximum Specific Optical Density during the 4 minute test must not exceed 200.

Results	
<input checked="" type="checkbox"/> <b>PASS</b>	<b>Notes:</b> Tested at external laboratory.
<input type="checkbox"/> <b>FAIL</b>	

The results of this test report have been obtained in compliance with the listed requirements and/or specifications. Amendment levels are that of the current amendments on the date testing was performed, unless otherwise specified. Aeroblaze applies a pass/fail criterion based on the outcome of the test regardless of the measurement uncertainty, except in cases where the customer specifically requests that measurement uncertainty be applied. This test report shall not be reproduced, except in full, without written approval from Aeroblaze Laboratory Inc. The test results relate only to the items tested.

**Tested by:** Adam Gonzales      04-Aug-20  
 Lab Technician

**Approval:** *Andrew Feghali*      04-Aug-20  
 Andrew Feghali, Lab Manager, FAA DER

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### SMOKE DENSITY CHART

