11.8. Material Flammability Test Certificate (Form SP 10B)

MATERIAL FLAMMABILITY TEST CERTIFICATE

BUNSEN BURNER TEST DATA SHEET — SHELDON PEARCE TRIMMING PTY. LTD. — FORM SP10B

APPROVAL NUMBER 1-QTQ80

Manufacturer/Supplier	Lifesaving System Corp	Test Tracking Number	6405		
Material Description	Retro Material	**Mfr Code/Part No.**	273M	**Batch Number**	
Composition		**Weight**		**Article Number**	David Betts
Application (If applicable)	**Aviation**	Customer	Lifesaving System Corp		

Test Criteria: ~~FAR 23.853~~ FAR 25.853(a) ~~FAR 29.853~~ (Cross out not applicable)

Ignition Time – Material Definitions **For full details, see applicable section of Appendix F to FAR 23 or FAR 25**			**Test Requirement - Max. Average**			
			Flame Extinguishing Time	**Burn Length**	**Drip Extinguish Time**	**Burn Rate**
FAR 25 (i)	**60 Sec Ignition Vertical Test**	**Interior panels, partitions, galley structure, large cabinet walls, structural flooring….**	**15 sec**	**6 in (152mm)**	**3 sec**	
Far 25 (ii)	**12 Sec Ignition Vertical Test**	**Floor covering, textiles, seat cushions, padding, fabrics, leather, galley furnishings…**	**15 sec**	**8 in (203mm)**	**5 sec**	
FAR 25 (iv)	**15 Sec Horizontal Test 2.5in/min (63mm/min)**	**Clear plastic windows, parts constructed of elastomeric materials, seat belts, shoulder harnesses….**				**2.5 in/min (63mm/min)**
FAR 25 (v)	**15 Sec Horizontal Test 4in/min (102mm/min)**	**Materials in items not specified above (except for small parts that would not contribute significantly to the propagation of a fire)…….**				**4 in/min (102mm/min)**
FAR 23	**15 Sec Horizontal Test 4in/min (102mm/min)**	**Aircraft interior materials for normal category aircraft…**				**4 in/min (102mm/min)**

TEST RESULTS

Warp Sample	Flame Front Crosses 38mm Gauge Line	Burn Length	Elapsed Time Before Self Extinguishing	Burn Rate
1.	28 Seconds	6 Inches	N/A	2.83 IN/MIN
2.	27 Seconds	6 Inches	N/A	2.92 IN/MIN
3.	30 Seconds	6 Inches	N/A	2.79 IN/MIN
Average	28.3 Seconds	6 Inches	N/A	2.85 IN/MIN

Weft Sample				
1.				
2.				
3.				
Average				

Pass		Fail	
Pass		Fail	

Tested By A Pearce. **Test Date** 18/07/2018

Comments

Tracking Number 6405