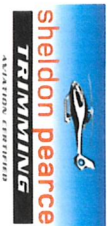



11.8. Material Flammability Test Certificate (Form SP 10B) Form SP 10B Rev: Initial Date: 12 June 2011

| BUNSEN BURNER TEST DATA SHEET | | SHELDON PEARCE TRIMMING PTY. LTD. | | FORM SP10B | | APPROVAL NUMBER 1-QTQ80 | |  | | | | | | | | |
|---|-------------------------------|---|-------------------------|--------------------------|--------------|---------------------------------|--|---|-----------|--------------|-------|-----------|--------|--------------|-------|--|
| Manufacturer/Supplier | | Five Rings Aerospace Pty Ltd | | Test Tracking Number | | 6547 | | Batch Number | | | | | | | | |
| Material Description | | Heskin H2418/2024-T3 Coupons | | Mfr Code/Part No. | | H3418 | | Article Number | | | | | | | | |
| Composition | | Aviation | | Weight | | Customer | | Five Rings Aerospace Pty Ltd | | | | | | | | |
| Application (if applicable) | | Aviation | | Customer | | Customer | | Five Rings Aerospace Pty Ltd | | | | | | | | |
| Test Criteria: FAR-23:853 FAR 25.853(a) FAR-29:853 (Cross out not applicable) | | FAR-29:853 (Cross out not applicable) | | Flame Extinguishing Time | | Test Requirement - Max. Average | | Conditioning Period - 24 Hr. | | | | | | | | |
| Ignition Time – Material Definitions For full details, see applicable section of Appendix F to FAR 23 or FAR 25 | | | | | | | | | | | | | | | | |
| FAR 25 App. F (a) 1 (i) | 60 Sec Ignition Vertical Test | Interior panels, partitions, galley structure, large cabinet walls, structural flooring.... | 15 sec | 6 in (152mm) | 3 sec | 2.5 in/min (63mm/min) |  | | | | | | | | | |
| FAR 25 App. F (a) 1 (ii) | 12 Sec Ignition Vertical Test | Floor covering, textiles, seat cushions, padding, fabrics, leather, galley furnishings.... | 15 sec | 8 in (203mm) | 5 sec | 4 in/min (102mm/min) | | | | | | | | | | |
| FAR 25 App. F (a) 1 (iv) | 15 Sec Horizontal Test | Clear plastic windows, parts constructed of elastomeric materials, seat belts, shoulder harnesses.... | | | | 4 in/min (102mm/min) | | | | | | | | | | |
| FAR 25 App. F (a) 1 (v) | 15 Sec Horizontal Test | 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 | Aircraft interior materials for normal category aircraft.... | | | | 4 in/min (102mm/min) | | | | | | | | | | |
| TEST RESULTS | | | | | | | | | | | | | | | | |
| Warp Sample | Flame Extinguishing Time | Burn Length | Drip Extinguishing Time | Flame Extinguishing Time | Burn Length | Drip Extinguishing Time | Burn Rate | Tested By | Test Date | | | | | | | |
| | | | | | | | | | | 1. 2 Seconds | 22 mm | 0 Seconds | 15 sec | 6 in (152mm) | 3 sec | Comments No damage to substrate (0.020" 2024-T3), only damage was to the Heskin H3418 |
| | | | | | | | | | | 2. 2 Seconds | 21 mm | 0 Seconds | 15 sec | 8 in (203mm) | 5 sec | |
| | | | | | | | | | | 3. 0 Seconds | 26 mm | 0 Seconds | 15 sec | 8 in (203mm) | 5 sec | |
| Average | 1.3 Seconds | 23 mm | 0 Seconds | 15 sec | 8 in (203mm) | 5 sec | | | | | | | | | | |
| Weft Sample | | | | | | | | | | | | | | | | |
| 1. | | | | | | | | | | | | | | | | |
| 2. | | | | | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | |
| Average | | | | | | | | | | | | | | | | |
| Pass | | | | | | | | | | | | | | | | |
| Fail | | | | | | | | | | | | | | | | |