

Test Certificate 111297 - 1

Report Details

Report Number 111297 - 1 **Service Requested** FAR/JAR CS 25.853 Appendix 1 Part 1 - B4 (12 Second Vertical Test)
Date Received 27-Oct-23 **Date Tested** 01-Nov-23 **Date Issued** 02-Nov-23

Customer Details

Company Name CAMIRA FABRICS
Customer Contact Luke Russell **Company Address** MELTHAM MILLS
Customer Ref/PO 81A24509 MELTHAM
WEST YORKSHIRE
HD9 4AY

Customer Details - As Supplied by the Customer

Sample Description RHINO
Fibre Composition UPHOLSTERY FABRIC

Quality/Batch Ref A01927
Colour HERD
Sample End Use TRANSPORT UPHOLSTERY

Model Ref

Manufacturer

Supplier / Buyer

Regulation/Specification:

FAR/JAR CS.25.853 Part 1 Appendix F - 12 Vertical Bunsen burner test for interior compartments occupied by crew and passengers

Test Method:

DOT/FAA/AR-00/12 - Aircraft Materials Fire Test Handbook - Chapter 1 - Vertical Bunsen test for cabin and cargo compartment materials

Conditioning:

Prior to testing the sample was conditioned immediately before the test for at least 24 hrs in a specified atmosphere of $21 \pm 3^{\circ}\text{C}$ and $50 \pm 5\% \text{ r h}$.

Pass / Fail Criteria:

(a)(1)(ii) – For materials tested to this sub clause the requirements for flame resistance of crew and passenger compartments are that the fabrics shall be self-extinguishing and that the average burn length should not exceed 200 mm, the average flame time should not exceed 15 seconds from removal of the test flame and any flaming droplets should not continue to flame for more than an average of 5 seconds after falling.

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Test Results

Test Number:	1	2	3	4	5	6
Specimen Direction:	↑	↓	↑	→	←	→
Application Time:	12 Seconds					
*Flaming Ceased [Secs]:	0	1.2	5.1	3.1	7.2	3.8
*Flaming Debris [Secs]:	0	0	0	0	0	0
*Damage Length [mm]:	104	110	117	101	121	103
*Avg Flaming Duration <15 Secs:	2.1				4.7	
*Avg Flaming Debris <5 Secs:	0.0				0.0	
*Avg Damage Length <200mm:	110.3				108.3	
*Avg Damage Length <7.87Inch:	4.34				4.27	
Test Result:	PASS					

Overall Result: PASS

The sample supplied meets the requirements of FAR/JAR CS.25.853 Part 1 Appendix F (a) (1) (ii) when tested in accordance with clause (B4) 12 Second Vertical Bunsen test.

Authorised Signature:



Zeb Alam

Operations Director

The uncertainty of measurement is taken into account when stating conformance to the specification. The test results are compared with the acceptance limits which are determined by reducing the specification limit by the expanded test uncertainty $U_{k=2}$ (approximately 95% confidence interval) and providing all measured values are within the tolerance limits then such results are declared as "Pass". The Uncertainty budgets are stated for each test method and should be considered when results are on or close to the acceptance limits, and in such cases it should be noted that the risk of false acceptance or false rejection is $\leq 2.5\%$. All test results issued on this report refer only to the item under test as supplied by the customer.

END OF REPORT