

# Flammability Material Test Certificate

## Bunsen Burner Test Data Sheet

Test Laboratory  
HAM T/TQ-MC



**Lufthansa Technik**

Approved Design Organisation EASA.21.J.019

<b>Material Description</b> Airdal, antimicrobial coating		<b>Composition</b> -/-		<b>Test Number</b> 190125_012	
<b>Manufacturer</b> Decorative Products GmbH		<b>Customer/ Specification</b> NATO Cage Code C8678		<b>Application</b> Airdal, transparent coated on aluminium sheet, layer thickness 0,3µ (micrometer)	
<b>Customer Part Number</b> -/-		<b>Batch Number</b> 53673DP		<b>Article Number</b> MED 10004 / Airdal	
				<b>Weight</b> -/-	

Test Method <b>CS/JAR/FAR 25.853</b>		Test Requirements (Max Avg.)			Conditioning	Flame Temperature	
Test Equipment BM: 526889908					24 h	Test 6: 955 °C / Test 1-5,7: 845 °C	
Ignition Time	Material Definitions	Flame Extinguishing	Burn Length	Drip Extinguishing	Burn Rate	Flame Penetration	After Glow
<input type="checkbox"/> 1. 60 sec Ignition Vertical Test	Interior Panels; Galleys	15 sec	6 inches (152 mm)	3 sec			
<input checked="" type="checkbox"/> 2. 12 sec Ignition Vertical Test	Floor Coverings; Textils; Decorative Parts; Galley Furnishings; Cushions; Electrical Conduits; Insulations; Ducts; Cargo Liners	15 sec	8 inches (203 mm)	5 sec			
<input type="checkbox"/> 3. 15 sec Ignition Horizontal Test 2,5 inch/min	Clear Windows; Signs; lighted Instrument				2,5 inch/min		
<input type="checkbox"/> 4. 15 sec Ignition Horizontal Test 4 inch/min	Small Parts; Knobs; Clips; Electrical Parts, etc.				4 inch/min		
<input type="checkbox"/> 5. 30 sec Ignition - 45 Degree	Cargo Liners; B + E	15 sec				none	10 sec
<input type="checkbox"/> 6. 30 sec Ignition - 60 Degree	Elec. Sys. Components, Insulations of elec. wires	30 sec	3 inches (76,2 mm)	3 sec			
<input type="checkbox"/> 7. Blanket Test	Passenger Blanket	15 sec		3 sec			

### Test Results

Sample Number	Flame Extinguishing	Burn Length	Drip Extinguishing	Burn Rate	Flame Penetration	After Glow	Test Direction
1.	0,0 sec	1,0 mm	No Drip	inch/min		sec	Lay or Weft/Fill
2.	0,0 sec	1,0 mm	No Drip	inch/min		sec	Lay or Weft/Fill
3.	0,0 sec	1,0 mm	No Drip	inch/min		sec	Lay or Weft/Fill
Average	0,0 sec	1,0 mm	No Drip	inch/min		sec	Lay or Weft/Fill
1.	sec	mm		inch/min		sec	Warp
2.	sec	mm		inch/min		sec	Warp
3.	sec	mm		inch/min		sec	Warp
Average	sec	mm		inch/min		sec	Warp

Sketch / Construction

Test Date : 28.01.2019      Tested by (Name, Stamp, Signature) : Caroline Erdmann U416705      Engineering/Work Order

**Pass**       **Fail**

Witnessed by:  
(if present)

Comments