

Fire Test Laboratory
 Airbus Operations GmbH
 Airbusallee 1
 D-28199 Bremen
 Phone (+49) 421 538-5060/4103
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Test Report No.: 11-0496

Type of test: **Determination of the Resistance of Material to Flame**
 Vertical Bunsen Burner Test, 12s Ignition Time

Test standard: CS/JAR/FAR 25 , App. F, part I & AITM 2.0002 B

Material/Part Designation: Cargo Lining
 A 320/Cargo Compartment/NewPlacard

Manufacturer Designation: D25571329000 + ORAJET 3951-010

Thickness (mm): 8,6mm + 0,06mm

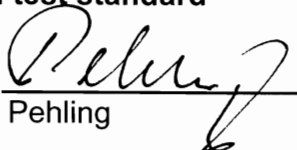
Test results:

| | Sample No. | | | | Mean | Airworthiness Limit | Customer Limit |
|-------------------------------|------------|----|----|---|-----------|------------------------|-------------------|
| | 1 | 2 | 3 | 4 | | | |
| Burn length [mm] | 55 | 61 | 53 | | 56 | 203 | 203 |
| After flame time [s] | 0 | 0 | 0 | | 0 | 15 | 15 |
| After flame time of drips [s] | 0 | 0 | 0 | | 0 | 5 | 5 |
| Drips (y/n) | n | n | n | | | | |

Remarks: Transversal

The material/part has been tested in accordance with the above mentioned test standard

Date of test: 15. Mrz. 11

Performed by: 
 Pehling

Checked : Busch (Department ESWI)

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Test Report No.: 11-0496

Type of test : Determination of the Specific Optical Density of Smoke

Test standard: CS/JAR/FAR 25 , App. F, part V & AITM 2.0007

Material/Part Designation: Cargo Lining
 A 320/Cargo Compartment/NewPlacard

Manufacturer Designation: D25571329000 + ORAJET 3951-010

Thickness (mm): 8,6mm + 0,06mm

Test results:

Flaming Mode

| Sample No. | Weight [g] | Dm* | |
|------------|------------|--------------|--------|
| | | within 4 min | at [s] |
| 1 | 10,2 | 31 | 240 |
| 2 | 10,5 | 32 | 240 |
| 3 | 10,4 | 33 | 240 |
| 4 | | | |

Non-Flaming Mode

| Sample No. | Weight [g] | Dm* | |
|------------|------------|--------------|--------|
| | | within 4 min | at [s] |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |

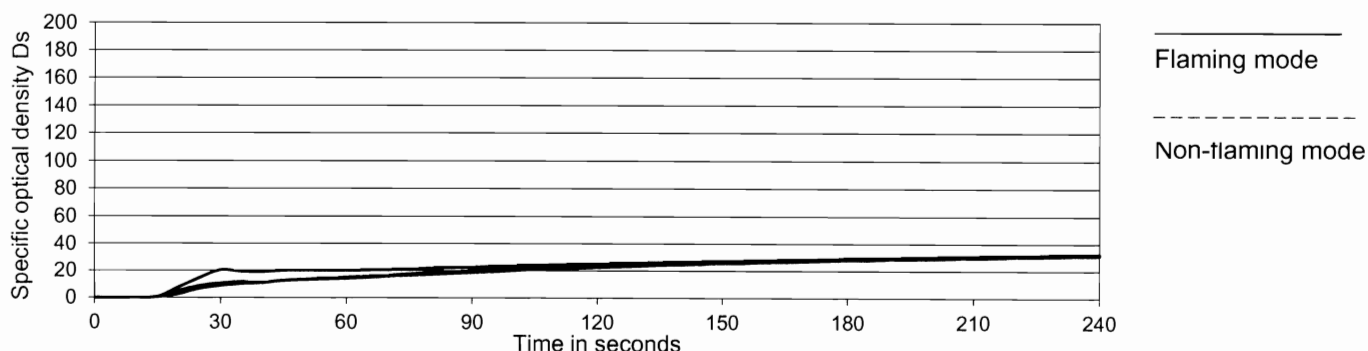
| | |
|-------------------------|------------|
| Mean | 32 |
| Rel. standard deviation | 1,9% |
| Airworthiness Limit: | ----- |
| Customer Limit: | 100 |

| | |
|-------------------------|-------|
| Mean | |
| Rel. standard deviation | |
| Airworthiness Limit: | ----- |
| Customer Limit: | ----- |

*Dm = Ds max = maximum specific optical density

Heatflux [W/cm²]: 2,475

Remarks:



The material/part has been tested in accordance with the above mentioned test standard

Date of test: 15. Mrz. 11

Performed by: *Pehling*
 Pehling

Checked : Busch (Department ESWI)

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Test Report No. : 11-0496

Type of test: Determination of the Toxic Components on Combustion Products

Test standard: AITM 3.0005
Material/Part Designation: Cargo Lining
 A 320/Cargo Compartment/NewPlacard
Manufacturer Designation: D25571329000 + ORAJET 3951-010

Test results: **Flaming Mode***

| Sample No. | HCN Hydrogen Cyanide | CO Carbon Monoxide | NOx Nitrous Gases | SO2 Sulfur Dioxide | HF Hydrogen Fluoride | HCl Hydrogen Chloride |
|----------------|-------------------------|-----------------------|----------------------|-----------------------|-------------------------|--------------------------|
| 1 | 2 | 276 | 6 | 8 | **pos. | 10 |
| 2 | 2 | 284 | 8 | 9 | 18 | 20 |
| 3 | | | | | 17 | |
| 4 | | | | | | |
| Mean | 2 | 280 | 7 | 9 | 18 | 15 |
| Airbus Limit | 150 | 1000 | 100 | 100 | 100 | 150 |
| Customer Limit | 150 | 1000 | 100 | 100 | 100 | 150 |

Non - Flaming Mode*

| Sample No. | HCN Hydrogen Cyanide | CO Carbon Monoxide | NOx Nitrous Gases | SO2 Sulfur Dioxide | HF Hydrogen Fluoride | HCl Hydrogen Chloride |
|----------------|-------------------------|-----------------------|----------------------|-----------------------|-------------------------|--------------------------|
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| Mean | | | | | | |
| Airbus Limit | 150 | 1000 | 100 | 100 | 100 | 150 |
| Customer Limit | 150 | 1000 | 100 | 100 | 100 | 150 |

* All values in ppm.

3 samples only necessary if the concentration exceeds 50% of the maximum permitted value

| | HCN | CO | NOx | SO2 | HF | HCl |
|-----------------|--------|------|------|------|----------------|--------|
| Analysis method | Dräger | FGA5 | FGA5 | FGA5 | Potentiometrie | Dräger |

Remarks : **detected with Dräger tubes

The material/part has been tested in accordance with the above mentioned test standard

Date of test: 15. Mrz. 11

Performed by:

Pehling

Checked : Busch (Department ESWI)