

FIRE CLASSIFICATION

aixFOAM material description

FAR 25.853

The test norm FAR 25.853 is mainly used in air transportation industry. The FAR 25.832 vertical burn test was executed by Lufthansa Technik Laboratorien in Hamburg. The inspection was documented and an inspection certificate issued (6040/2005) by Lufthansa Technik AG. This is an official test method recognized by the German Federal Aviation Authority test method named Flammability Material Test Certificate FAR25.853.

The following testing criteria must be fulfilled for the FAR 25.853 test:

For this purpose a specimen has a vertical flame applied by Bunsen burner (800 C°) for 12 seconds. The flame that is ignited on the test specimen must die out within 15 seconds and may not spread more than 8 inch (203mm).

Flammability Material Test Certificate Bunsen Burner Test Data Sheet

Test Laboratory
HAM TQ23-C

Authorization
EASA.21J.019



Material Description
aixFoam RG 30 Ester (light grey)

Composition

Test Number
6040/2005

Manufacturer
Schaumstoffe Helgers

Customer/Specification

Application

Customer Part Number



Batch Number
only this batch

Article Number

Weight

Test Method FAR 25.853		Test requirement (Max Avge)				Conditioning 24 h	
Ignition Time	Material Definitions	Flame Extinguishing	Burn Length	Drip Extinguishing	Burn Rate	Flame Penetration	After Glow
For Details see FAR Part 25 App. F Part 1							
<input type="checkbox"/> 1. 60 sec Ignition Vertical Test	Interior Panels; Galleys; Under Seat Stowages	15 sec	6 inches (152 mm)	3 sec			
<input checked="" type="checkbox"/> 2. 12 sec Ignition Vertical Test	Floor Coverings; Textiles; 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 Instruments				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	Electrical System Components; Insulation of electrical wires	30 sec	3 inches (76 mm)	3 sec			
<input type="checkbox"/> 7. Blanket Test	Passenger Blanket	15 sec		3 sec			

Test Results								Sketch / Construction	
Sample Number	Flame Extinguishing	Burn Length	Drip Extinguishing	Burn Rate	Flame Penetration	After Glow	Test Direction		
1.	0 sec	15 mm	no drip	inch/min		sec	Lay or Weft/Fill		
2.	0 sec	15 mm	no drip	inch/min		sec	Lay or Weft/Fill		
3.	0 sec	15 mm	no drip	inch/min		sec	Lay or Weft/Fill		
Average	0 sec	15 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		

Test Date : 21.10.2005 Tested by : Damwijk  Engineering/Work Order
 Pass **Fail** Approved :  Comments :

LHT Form 31147 B-02 (FRA WE 2) Printed in the Federal Republic of Germany Rev. Date 01.09.2004

The data specified are average values which have been determined to the best of our knowledge. As these data may fluctuate within the defined specification, they are to be regarded as non-binding. Liability for damages and disadvantages of any kind are excluded. The data do not exempt the purchaser from carrying out his own tests and trials. We reserve the right to make technical changes and updates.



Management System
ISO 9001:2015



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Management System
ISO 14001:2015

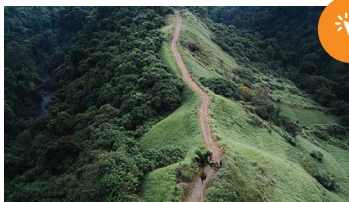


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Our aixFOAM quality promise

Every acoustic project is unique. That's why we focus on you and your individual requirements. In a consultation oriented according to your needs, we will find the right sound insulation together. Our product range offers a wide selection of different sound absorbers in classic and unusual designs. As a manufacturing company, we are in a position to implement special dimensions and individual and series production on request.

We guarantee fair prices. Networking with proven partners and sophisticated logistics enable us to purchase sustainably, to keep delivery times short and to meet deadlines as closely as possible. This applies to deliveries both within and outside of Germany.



More about our aixFOAM sustainability principle here:
www.aixfoam.com/view/sustainability

Quality standards according to DIN EN ISO 9001:2015

We believe that quality begins with the production. Therefore, we only use checked raw materials from Germany and the EU for our sound absorbers. In combination with modern manufacturing technology, particularly effective and durable products are created on a total of 6,000 m² of industrial space.

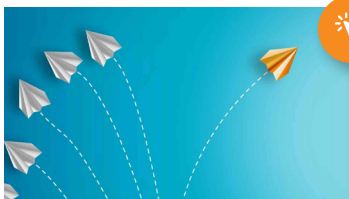
Tests by renowned institutes - such as the RWTH University in Aachen - guarantee that we always meet our high standards. This way you can rely on the best quality with every purchase. In addition, our quality management is regularly certified by TÜV Rheinland according to ISO standard 9001:2015.



More about our social commitment here: (currently only in German)
www.aixfoam.de/view/charity

Sustainable environmental management according to DIN EN ISO 14001:2015

As a company, we are aware of our responsibility towards our society and the environment. For our successful environmental management, we received the ISO 14001:2015 certification for the first time in June 2021.



More about our innovations here:
www.aixfoam.com/view/think-tank

aixFOAM think tank

Over 60 years of experience, numerous patents, utility models, designs and design patents, above-average customer satisfaction and top ratings on the consumer portal „Trusted Shops“ motivate us to continue to be there for you as a reliable and innovative partner in matters of sound insulation.

**Do you have questions about our products?
We are here for you!**

To contact us by phone +49 (0)2403 / 83830 - 22

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