

# FIRE CLASSIFICATION

## Description

UL94 HF1

Underwriters Laboratories Inc. (UL) is an independent product safety certification organization testing products and writing Standards for Safety. UL94 is a standard developed for tests for flammability of plastic materials, particularly foams. An essential part of this standard is classification HF1 where the following criteria must be met:

## Test specimen

2 x 5 samples 152 mm x 50.8 mm x application thickness with gauge marks at 25.60 mm and 125 mm distance to end of sample

Ageing of 2 x 5 samples with 70 degrees Celsius for 168 hours

## Test Arrangement

The sample sits horizontally in wire gauze with predefined mesh size. Below this sample is a cotton layer with a space of 175 mm.

## Ignition Source

Bunsen burner with attached nozzle, flame width: 48 mm, non-luminous blue flame: 38 mm.

## Flame Impingement Duration

60 seconds

## Results

- No afterburning of more than 2 seconds in a minimum of 4 of 5 samples
- No sample burning longer than 10 seconds after termination of active burning
- No sample destroyed beyond 60 mm mark
- No occurrence of after-annealing of longer than 30 seconds or beyond 60 mm mark after termination of active burning
- No burning drip off

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.



## 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](http://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 m<sup>2</sup> 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](http://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](http://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!**

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