

TECHNICAL DATA SHEET FIRE CLASSIFICATION

aixFOAM®

aixFOAM® is a registered trade mark.

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



Management System
ISO 9001:2008



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UL94 HF1

aixFOAM Acoustic Absorber in perfection

Do you have questions about our products or your order? We will gladly help you!

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Our aixFOAM® product range offers you individually-arranged complete solutions for soundproofing, technical acoustics and room acoustics, based on high-quality and effective acoustic foams.

Experience, top quality and an uncompromising commitment to our customers' desires: It depends on us. Since 1958, we've been systematically expanding and perfecting our main skill: manufacturing and refining acoustic foam. As a system supplier for foam materials, we specialize in the industrial manufacturing of professional products for sound insulation and noise control.

As a future-orientated partner in development of our customers, we are constantly expanding range of our products and investing in automatisations of the process and the most up-to-date CNC technologies.

Our extremely enthusiastic and engaged workforce commands an impressive expertise. An above average level of education and many years of experience in the field of acoustics and sound absorbers form the basis for smoothly creating high-quality custom aixFOAM special solutions. Networking with flexible renowned logistics partners, and a sophisticated logistics, offer our customers sustainable shopping, and allow us short delivery times and maximum adherence to the delivery date. This applies to deliveries both within and outside of Germany.

At the newly remodeled location near to Aachen, aixFOAM demonstrated its high technical competence on a total of 6,000 m² of commercial space. All our assorted products are manufactured here, using optimized processes and manufacturing methods. Carefully selected raw materials in nearly all diversifications are a pre-requisite for our extensive spectrum of creative and economic problem solutions.



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