

# Foam Villa

GLOBAL PU EXPERTS

Your **Global Source** for  
Technical Foam Solutions

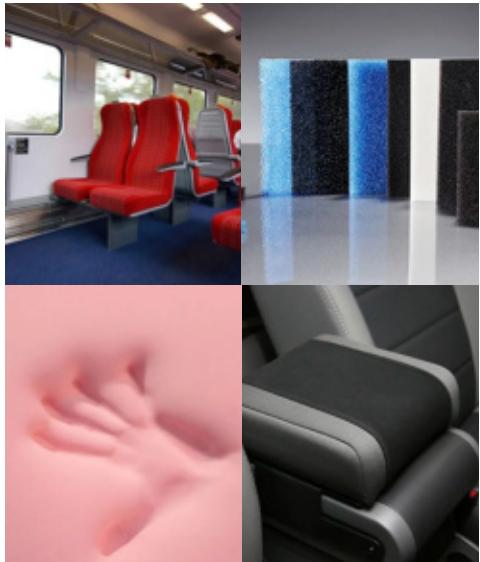


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[www.foamvilla.com](http://www.foamvilla.com)

## Your Trusted Partner for Technical Foam & Allied Products



At FoamVilla, we specialize in providing a wide range of **technical flexible foams** designed for diverse industrial and commercial applications. Our product portfolio includes **Memory Foam, Acoustic Foam, HR Foam, Fire Retardant Foam, Moulded Foam, Melamine Foam, Silicone Foam**, and more. Each product is offered through our globally connected network of trusted factories, manufactured in the required shapes and sizes, and tailored to meet specific customer requirements.

With a strong focus on **B2B and OEM customers**, we have the expertise and capability to fully customize foam solutions based on market demands, end-use applications, and client specifications. Our deep technical understanding—covering **cell structure, hardness, tensile strength, elongation, and other critical properties**—allows us to offer a wide range of

foam grades across various densities and performance characteristics.

Whether your requirement is for comfort, safety, insulation, or specialty industrial applications, FoamVilla ensures **precision-engineered, high-quality foam solutions** that deliver consistent performance and reliability.

### Why Choose Us?

- Wide variety of technical foam grades for multiple applications
- Customizable shapes, sizes, and specifications
- Expertise in technical parameters like hardness, density, tensile strength, and cell structure
- Globally connected suppliers ensuring consistent quality
- Focused on OEM and B2B markets with market-oriented solutions

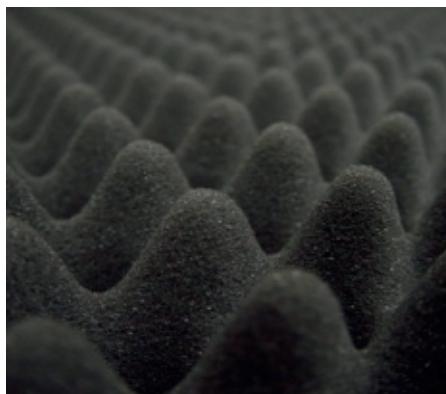
**FoamVilla – Engineering Comfort, Safety, and Performance in Every Foam Solution.**

## Technical Foam Range

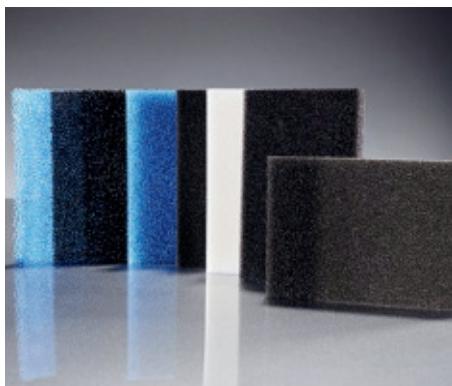
In our Technical Foam section at Foamvilla, we take pride in our meticulous formulation and engineering of flexible foams to meet advanced and specific needs. Crafted with precision, these foams feature enhanced properties including improved resilience, durability, pore porosity index, fire-retardant capabilities, and other unique performance characteristics tailored to specific applications. Whether used in automotive, medical, or acoustics industries, our Technical Flexible Foams represent innovation and excellence, catering to a wide range of diverse and specialized requirements.

**Common Density:** 10 to 150 Kg/m<sup>3</sup>

**Common Applications:** Acoustics, Filtration, Producing Fire Retardant products, Extra support, and long-life products.



Acoustic Foam



Filter Foam



Fire Retardant Foam



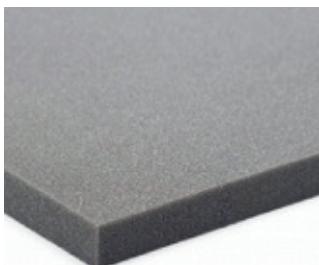
Memory Foam

## Acoustic Foam Range

Flexible acoustic foams are specially designed foam materials engineered to absorb sound waves effectively. They are commonly used in various applications where noise reduction and sound control are necessary. Here are some key features and applications of flexible acoustic foams:

**Features:** Open-cell Structure, High Porosity, Soft and Flexible, Fire Retardant Properties.

**Applications:** Recording Studios, Home Theaters, Auditoriums and Concert Halls, Office Spaces, Industrial Settings, Vehicles.



### PLAIN ACOUSTIC FOAM

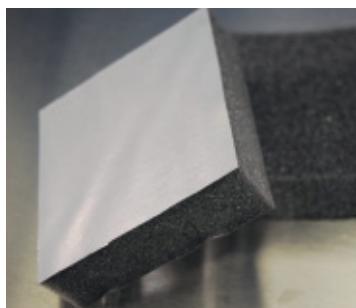
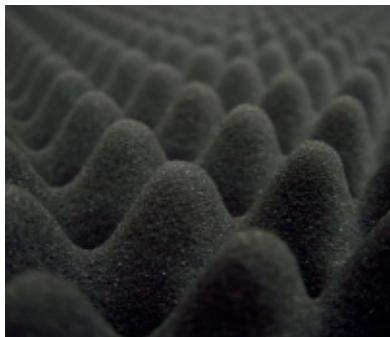
**Product Code:-** FV-Acoustics-AF

Our flexible acoustic foam sheets are available in a wide range of densities, tailored to meet specific customer and end-application requirements. These foams provide a cost-effective solution for soundproofing and noise control across diverse settings, making them a preferred choice for both residential and commercial applications.

### EGG CRATE SHAPE ACOUSTIC FOAM

**Product Code:-** FV-Acoustics-ECSF

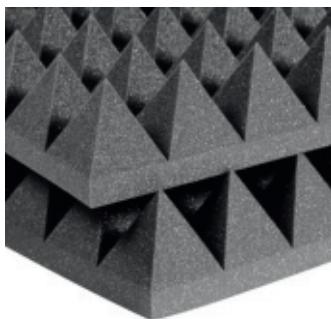
Egg crate-shaped acoustic flexible foams are lightweight, flexible, and durable open-cell materials engineered to efficiently absorb and dampen sound waves across diverse environments. Their distinct profile mirrors the shape of an egg crate, comprising alternating peaks and valleys. This design amplifies the foam's surface area, enhancing its ability to engage with sound waves effectively.



### SELF ADHESIVE ACOUSTIC FOAM

**Product Code:-** FV-Acoustics-SAF

Self-adhesive backing acoustic foams come equipped with an integrated adhesive layer, facilitating simple installation on surfaces for effective sound absorption and acoustic management. These foams offer straightforward installation, adhere easily to a variety of surfaces such as walls, ceilings, and panels, and are available in diverse shapes, sizes, and thicknesses. They boast durability, ensuring long-lasting performance in acoustic applications.



## PYRAMID SHAPE ACOUSTIC FOAM

**Product Code:-** FV-Acoustics-PSF

Pyramid-shaped acoustic foam refers to foam panels or tiles that are structured in a pyramidal shape. These foam panels typically feature a series of pyramidal protrusions evenly distributed across the surface. The pyramid shape helps to diffuse sound waves by dispersing them in various directions. This diffusion helps to reduce echoes, reverberation, and standing waves in a room, improving overall sound quality and clarity.

## WEDGE SHAPE ACOUSTIC FOAM

**Product Code:-** FV-Acoustics-WSF

Wedge-shaped acoustic foam refers to foam panels or tiles that are structured in a wedge or triangular shape. These foam panels typically feature a series of angled surfaces arranged in a repeating pattern. The angled surfaces of wedge-shaped foam panels help to scatter and absorb sound waves effectively. This scattering reduces the buildup of echoes and reverberations in a room.



## TPU COATED SELF ADHESIVE ACOUSTIC FOAM

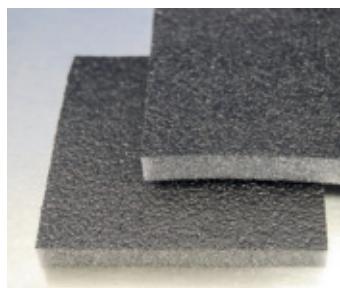
**Product Code:-** FV-Acoustics-TPUSAF

TPU (Thermoplastic Polyurethane) coated self-adhesive acoustic foam refers to acoustic foam panels or tiles that have been treated with a TPU coating on one side and feature a self-adhesive backing for easy installation. TPU coating offers water-resistant properties, making the foam suitable for environments where moisture may be present, such as recording studios, bathrooms, or outdoor applications.

## COATED ACOUSTIC FOAM

**Product Code:-** FV-Acoustics-TPUF

Coated acoustic sheets are specialized panels or sheets designed to enhance sound absorption and dampening properties while offering additional benefits such as durability, moisture resistance, or aesthetic appeal. Some common types offered are TPU (Thermoplastic Polyurethane) Coated Acoustic Sheets, Vinyl-Coated Acoustic Sheets, Painted Acoustic Panels & Fire-Retardant Coated Acoustic Sheets.

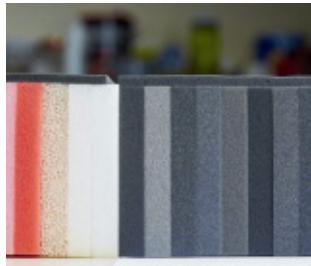


## Filter Foam Range

We manufacture filter foam, also known as reticulated flexible foam, which undergoes a specialized process to create an open-cell structure with interconnected voids or pores across the material. Our filter foams are esteemed for their quality and find application in diverse filtration tasks, including oil, water, and air filtration.

Key characteristics of our filter foams include their open-cell structure, high porosity, flexibility, and versatility. They are available in a range of densities, pore sizes, and compositions to accommodate various filtration requirements.

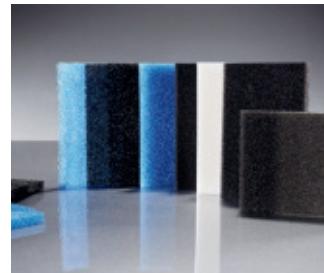
Our filter foams are utilized in a multitude of applications, such as filtration media, acoustic insulation, padding and cushioning, packaging inserts, medical devices, automotive components, and outdoor furniture and equipment.



### AIR FILTRATION FOAM

**Product Code:-** FV-Filtration-Air

Air filtration foam refers to a type of flexible foam used in air filtration systems to capture and remove airborne particles, dust, allergens, and contaminants from the air. Air filtration foams find applications in various settings, including residential HVAC systems, commercial air purifiers, automotive cabin air filters, industrial ventilation systems.



### WATER FILTRATION FOAM

**Product Code:-** FV-Filtration-Water

Water filtration foam is a specialized type of filter foam utilized in diverse water filtration systems to eliminate impurities, particles, and contaminants from water sources.

We provide these foams with a wide range of pore sizes, thicknesses, densities, and surface characteristics to address specific filtration needs across different applications.



### OIL FILTRATION FOAM

**Product Code:-** FV-Filtration-Oil

Oil filtration flexible foam comprises polyester-based reticulated foams, characterized by high porosity, chemical resistance, and durability. With a PPI (Pores Per Inch) ranging from 15 to 120, these foams demonstrate resilience against oil, chemicals, solvents, and contamination.

## Fire Retardant Foam

Fire retardant flexible foam is a specialized type of foam material engineered to inhibit the spread of fire and reduce the risk of combustion. Here are some key details about fire retardant flexible foam:

1. Composition: Fire retardant flexible foam is typically made from polyurethane or polyester materials, which are treated with fire-retardant chemicals during the manufacturing process.
2. Compliance with Standards: Fire retardant flexible foam is designed to meet industry-specific fire safety standards and regulations.
3. Safety Considerations: Fire retardant flexible foam helps mitigate the risk of fire-related incidents by slowing down the ignition and combustion process. However, it is essential to note that fire retardant foam does not make materials completely fireproof. It provides valuable time for occupants to escape and for firefighting measures to be implemented.
4. Durability and Performance: Fire retardant flexible foam retains its durability and performance characteristics while offering enhanced fire resistance.

### Applications on Foam Standard Wise:

**CA-117 FR Foam:** Manufacturing Upholstery products, Baby Cushioning products, Beds, Flame Lamination.

**UL-94 FR Foam:** Automotive Interiors, Furniture and Upholstery, Electronics Enclosures, Medical Devices, Aerospace Applications, Marine Applications, Consumer Products.

**FMVSS-302 FR Foam:** Vehicle Seating, Headrests and Armrests, Interior Trim, Soundproofing and Insulation, Commercial Vehicles.

**BS-5852 FR Foam:** Upholstered Furniture, Mattresses and Mattress Toppers, Cushions and Pillows, Seat Pads and Cushions, Automotive Interiors, Medical and Healthcare Products & Soundproofing and Acoustic Insulation.

**Tris Free FR Foam:** Furniture, Bedding and Mattresses, Children's Products, Automotive Interiors, Medical Devices and Healthcare Products, Acoustic Insulation, Packaging.

## BS-5852 STANDARD FR FOAM

**Product Code:-** FV-Fire Retardants-BS

BS 5852, a British Standard, sets forth fire safety criteria for upholstered furniture, encompassing versatile foam utilized across diverse applications. Our compliant Flexible foam undergoes stringent testing to evaluate its ignitability and flame-retardant features, guaranteeing adherence to safety regulations.



Flexible foam meeting BS 5852 standards finds applications in a wide range of industries and products where fire safety is paramount. Some common applications include: Upholstered Furniture, Mattresses and Mattress Toppers, Automotive Seating, Aircraft Interiors, Marine Upholstery, Medical and Healthcare Products.



### UL-94 STANDARD FR FOAM

**Product Code:-** FV-Fire Retardants-UL

UL 94, developed by Underwriters Laboratories (UL), is a standard used to assess the flammability properties of materials. When mentioning "UL 94 standard flexible foam," it denotes that the flexible foam material has been tested according to UL 94 standards to evaluate its flammability characteristics.

### FMVSS-302 STANDARD FR FOAM

**Product Code:-** FV-Fire Retardants-FMVSS

When referencing "FMVSS 302 standard flexible foam," it indicates that the flexible foam material passes flammability test set by United States Federal Motor Vehicle Safety Standards for the flammability of materials used in the interior of motor vehicles.

Common Applications: Automotive seating, Headliners and Interior Panels.



### CA-117 STANDARD FR FOAM

**Product Code:-** FV-Fire Retardants-CA-117

CA-117 refers to California Technical Bulletin 117, which sets flammability standards for upholstered furniture and certain filling materials. When referring to "CA-117 flexible foam," it indicates that the foam material has undergone testing and meets the flammability requirements outlined in California Technical Bulletin 117.

Common Applications: Upholstered Furniture, Mattresses and Mattress Toppers, Medical and Healthcare Products, Marine Upholstery and Aircraft Interiors.

### TRIS-FREE FR FOAM

**Product Code:-** FV-Fire Retardants-TF

"Tris free foam" refers to foam materials that are free from Tris, which is short for Tris(1,3-dichloro-2-propyl) phosphate, a chemical flame retardant having concerns about its potential health and environmental impacts. Tris-free foam offers a safer and more environmentally friendly alternative to traditional foam products that contain potentially harmful flame retardant chemicals.

Common Applications: Upholstered Furniture, Mattresses and Bedding Products, Medical and Healthcare Products and Children's Products.



## Technical Memory Foam

The technical memory foam range includes a diverse selection of memory foam products meticulously crafted to deliver precise technical attributes and performance qualities. These features encompass improved temperature sensitivity, faster response times, personalized support, and enhanced pressure relief.



### CHARCOAL MEMORY FOAM

**Product Code:-** FV- Memory - Charcoal

Charcoal memory foam is memory foam infused with activated charcoal particles. It offers odor absorption, moisture control, temperature regulation, and antimicrobial properties.

**Common Applications:** Mattresses and Mattress Toppers, Pillows, Seat Cushions, Pet Beds, Exercise Mats, Medical Cushions and Supports, Carpet Underlay and Bath Mats.

### SEMI HARD MEMORY FOAM

**Product Code:-** FV- Memory - Semi Hard

Semi-hard memory foam strikes a balance between firmness and conformity, offering a unique combination of support, durability, and temperature sensitivity. It's a popular choice for individuals seeking comfortable yet supportive foam products.

**Common Applications:** Glue-laminated products, Bath Mats, widely used in Shoe industry.



### QUICK DRY MEMORY FOAM

**Product Code:-** FV- Memory - Quick Dry

Quick dry memory foam is a specialized variant engineered to dry quicker than traditional memory foam. It efficiently wicks away moisture, facilitating faster evaporation compared to standard memory foam. With enhanced breathability, air circulates more freely through the foam, reducing the likelihood of odors.

**Common Applications:** Outdoor Furniture & widely applied in various settings where moisture management and comfort are essential.



### HARD MEMORY FOAM

**Product Code:-** FV- Memory - Hard

Hard memory foam is a specific type engineered to be firmer and more supportive than traditional variants. It offers high firmness, durability, and motion isolation, providing robust support.

**Common Applications:** Shoe Insoles, Orthopedic support products, Medical Cushions & Pillows, Exercise Equipment, Furniture and Upholstery.



## Laminated Foam Range

"Laminated foam range" refers to a collection of foam products that have undergone lamination processes such as gluing, bonding, or laser quilting. These processes involve combining different materials such as foam, fabrics, paper, or other substrates to create customized solutions tailored to meet specific customer requirements. The lamination process enhances the properties and functionalities of the foam, resulting in products suitable for various applications across industries.

**Industries Served:** Acoustics, Automotive, Comfort, Medical, Furniture, Footwear, Defense, Sports, Insulation, Clothing, Helmets & Packaging, & more.



### FLAME LAMINATED FOAM PRODUCTS

**Product Code:-** FV- Laminates- Flame

Flame Laminated Products by bonding flexible foams (polyester and polyether) to substrates such as films, fabrics, and paper, tailored to specific customer and application needs.

Common Applications: Automotive Interiors, Furniture Upholstery, Soundproofing and Acoustic Panels, Packaging Materials, Medical Devices and Cushions, Outdoor and Recreational Gear, Insulation Materials, Marine and Aerospace Applications.

### GLUE LAMINATED FOAM PRODUCTS

**Product Code:-** FV- Laminates- Glue

Glue laminated foam products are crafted by bonding diverse foams (flexible, polyester, polyether, cross-linked, and polyethylene) to substrates like films, paper, and fabric. This tailored process meets specific customer and application needs.

Common Applications: Automotive Interiors, Shoe In Soles, Soundproofing and Acoustic Panels, Medical Devices, Insulation Materials.



### LASER QUILTED FOAM PRODUCTS

**Product Code:-** FV- Laminates- Laser

Our Ultrasonic Quilted Foam Products are crafted through cutting-edge technology, utilizing advanced methods to weld and bond fabric seamlessly without the need for traditional threads or needles.

Common Applications: Automotive Seating, Upholstered Furniture, Mattresses and Mattress Toppers, Medical Cushions and Supports, Apparel and Fashion Accessories, Soundproofing and Acoustic Panels, Packaging Inserts, Crafts and DIY Projects.

## Moulded Foam

Molded foam is a foam material crafted by pouring liquid foam into a mold, enabling it to expand and solidify into a desired shape. Its major properties include durability, lightweight nature, versatility, and capacity to conform to specific shapes and designs. Moreover, it proves relatively cost-effective, particularly for high-volume production runs. Industries benefiting from molded foam include the automotive sector, packaging, furniture, medical devices and equipment, sporting goods, and the aerospace industry.

### AUTOMOTIVE MOULDED FOAM RANGE

**Product Code:-** FV- Moulds - Automotive Range

Our lineup comprises a diverse selection of automotive products crafted from molded foam, catering to buses, cars, two-wheelers, and bicycle seats. Our offerings encompass seating components, headrests, and armrests, as well as child safety seats and booster seats.

Additionally, we provide a broad range of tailored memory foam cushions and pillows to meet varied needs and preferences.



### FURNITURE MOULDED FOAM RANGE

**Product Code:-** FV- Moulds - Furniture Range

Molded foam is widely utilized in the furniture industry for its versatility, comfort, and durability. Here are some common applications of molded foam for furniture: Seating, Mattresses and Mattress Toppers, Pillows, Armrests and Backrests, Footrests and Ottomans, Customized Furniture Designs, Outdoor Furniture Cushions.

### MOULDED FOAM CHAIR SEATS

**Product Code:-** FV- Moulds - Chair Seats

Molded chair seats come in diverse densities, shapes, and sizes, providing consistent support and maintaining their shape longer than fabricated foams. The processing of seats with molded foam enhances posture and evenly distributes pressure load across the entire seat.



## Melamine Foam

**Melamine foam**, known for its versatile properties, finds applications across various industries. Commonly used for cleaning purposes due to its abrasive nature, melamine foam is also employed in soundproofing, thermal insulation, and even as a fire retardant. Its unique structure allows it to effectively remove stains, dirt, and scuff marks with minimal effort.

**Common Applications of Melamine Foam:** Soundproofing and Acoustic Treatment, Thermal Insulation, Cleaning and Maintenance, Fire Safety, Filters and Air Purification, Art and Design.

### ACOUSTIC MELAMINE FOAMS

**Product Code:-** FV- Melamine - Acoustic

Acoustic melamine foam is vital for improving sound quality and creating optimal listening environments across various industries. .

Acoustic Melamine Foam key features and uses include sound absorption, higher NRC values, echo control, architectural acoustics, commercial and industrial applications, building construction, recording studios, and customized solutions.



### MELAMINE FOAM CLEANERS

**Product Code:-** FV- Melamine Foam - Cleaners

Melamine foam cleaners leverage the distinctive qualities of melamine foam to eliminate dirt, stains, and marks from diverse surfaces effectively.

Major Advantage of using Melamine Foam Cleaners include the absence of chemicals, versatility in cleaning, surface gentleness, environmental friendliness, suitability for both household and commercial applications, and cost-effectiveness.

### LOW THERMAL CONDUCTIVITY MELAMINE FOAMS

**Product Code:-** FV- Melamine - Thermal

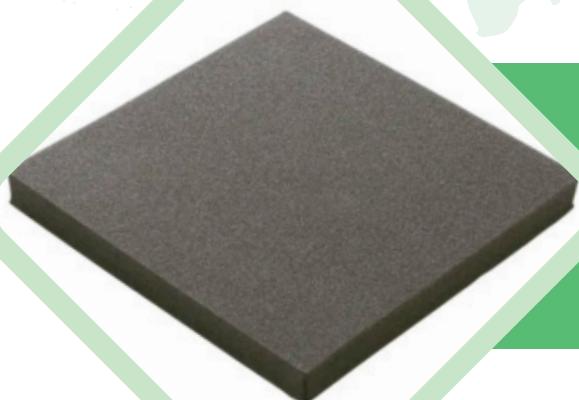
We offer Melamine foam, known for its excellent thermal properties, is widely used in various applications where heat resistance and insulation are important.

Common Applications: HVAC Systems, Industrial Equipment, Appliances, Transportation, Construction, Fire Safety Products and Solar Energy.



# Serving the World's Foam & Allied Needs

- From the World, For the World



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The Industry Won't Wait. Why Should You?

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