

Foam Villa

GLOBAL PU EXPERTS

Your **Global Source** for
Laminated Foam Solutions



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FOAM VILLA – LAMINATED FOAM RANGE



Foam Villa's Laminated Foam Range consists of high-performance foam products enhanced through advanced lamination processes such as flame lamination, glue lamination, and laser/ultrasonic quilting. By combining foam with films, fabrics, paper, or other substrates, we create customized solutions tailored to specific applications. Laminated foams enhance durability, functionality, aesthetics, and user comfort, making them suitable for a wide spectrum of industrial and commercial applications.

Industries Served: Acoustics, Automotive, Comfort, Medical, Furniture, Footwear, Defense, Sports, Insulation, Clothing, Helmets, Packaging, Aerospace, Marine, Outdoor Equipment, and more.

Applications:

Our Memory Foam range comprises a diverse selection of advanced viscoelastic foam products manufactured under controlled production processes to ensure consistent and reliable technical performance. These foams are designed to deliver **superior comfort, ergonomic support, and long-term durability** across a wide spectrum of applications.

- **Automotive interiors:** Seats, headrests, armrests, dashboards, and door panels
- **Furniture:** Upholstery, mattresses, cushions, and sofas
- **Medical & Healthcare:** Cushions, therapeutic supports, hospital bedding, and rehabilitation aids
- **Acoustic Solutions:** Soundproofing panels, wall coverings, and flooring underlays
- **Packaging:** Protective inserts, cases, and industrial packaging
- **Sports & Recreation:** Helmets, pads, and outdoor gear
- **Insulation:** Thermal and acoustic insulation for industrial and residential applications
- **Apparel & Accessories:** Quilted jackets, bags, and fashion products

Technical Specifications:

- **Foam Density:** 15 kg/m³ to 120 kg/m³ (customizable)
- **Lamination Types:** One-side, two-side, multilayer
- **Film/Fabric Types:** Any required type (films, fabrics, paper, non-wovens, composites)
- **Product Width:** 52–80 inches
- **Roll/Sheet Packaging:** Each roll/sheet in HM plastic sheet, then HDPE bag
- **Delivery:** Within 7–8 days of order confirmation
- **Customization:** Available for foam type, density, lamination process, size, shape, and substrate to meet specific customer requirements

Additional Benefits:

- Enhanced structural integrity and durability
- Improved aesthetic finish and functional performance
- Ability to combine multiple materials for specialized applications
- Cost-effective solutions for large-scale production
- Consistent quality through controlled lamination processes

Global Supply & Customization:

Foam Villa is fully equipped to **supply laminated foam worldwide**. We can **develop products as per customer-specific requirements**, including foam type, density, substrate, lamination method, size, and shape, ensuring tailored solutions for any industrial or commercial need.

FLAME LAMINATED FOAM PRODUCTS

Product Code: FV–Laminates–Flame

Flame laminated foam bonds flexible foams (polyester and polyether) to substrates such as films, fabrics, and paper using a **molten polymer layer created by passing foam over a controlled flame**. This method is **fast, economical, and highly effective for large-scale production**, delivering strong, uniform adhesion without adhesives.

Key Advantages:

- Cheapest and fastest lamination method
- Strong and consistent material bonding
- No adhesive creep or bond failure

Common Applications:

- Automotive interiors, furniture upholstery
- Soundproofing and acoustic panels
- Packaging materials, medical devices and cushions
- Outdoor and recreational gear, insulation
- Marine and aerospace components



GLUE LAMINATED FOAM PRODUCTS

Product Code: FV-Laminates-Glue

Glue laminated foam products combine foams (flexible, polyester, polyether, cross-linked, polyethylene) with films, paper, or fabric using **high-quality adhesive bonding**. This method provides **better coating consistency and longer product lifespan** compared to flame lamination.

Key Advantages:

- Superior and uniform adhesion for enhanced durability
- Long-lasting performance
- Ideal for complex or layered structures

Common Applications:

- Automotive interiors, shoe insoles
- Soundproofing and acoustic panels
- Medical cushions and devices
- Insulation and protective packaging



LASER QUILTED FOAM PRODUCTS

Product Code: FV-Laminates-Laser

Foam Villa's laser/ultrasonic quilted foam is manufactured using **cutting-edge ultrasonic welding**, bonding foam, non-woven fillings, and fabrics without threads or needles. Multiple quilting patterns and custom designs are available to meet **specific functional and aesthetic requirements**.

Key Advantages:

- Strong, stable welds with consistent quality
- Automated process ensures high precision and productivity
- Customizable quilting patterns and materials

Common Applications:

- Upholstered furniture, wall panels, and car seat covers
- Mattresses, mattress toppers, and bedsheets
- Medical cushions and supports
- Apparel, snow jackets, and other fashion accessories
- Packaging inserts, crafts, and DIY products



