



GENERAL PRODUCT AND MATERIAL SPECIFICATION SHEET

Material specifications – 100% Natural Latex (Scientific name: *Hevea brasiliensis*)

- Sourced from our own plantations and processed at our own centrifuge plant
- Only 100% natural latex is used in our production process
- Natural latex is the most organic, although it requires minimal amounts of additives to process the rubber (5%).
- Fully biodegradable.
- Key centrifuge latex properties are as follows

Latex Properties	
Dry rubber content	60%
Total solid content	61.5% Min
pH	10 - 11
VFA (Volatile fatty acid)	Less than 0.035%
Alkalinity	0.2 – 0.25 %
KOH number	1%
Magnesium Content	40 ppm
Mechanical stability time	600 -1200 sec
Maturity Duration	Min 21 Days

(Detail MSDS is attached)



Certifications and 3rd party Tests

- Tested for Hazardous emissions and VOC (volatile organic compounds).
Tested for Chlorophenol (Below limit of determination 0.1mg/Kg)
- **ECO Institut GMBH, Germany**
- Tested for Stability and durability - **TUV Rheinland LGA Products GMBH, Germany**
- Compliance to California Proposition 65 Law for non detection of Carcinogenic substances - **Associated Laboratories, California, USA**
- Tested for Butadiene confirming only 100% natural latex is used. (No synthetic latex of fillers used) - **Rubber Consultants, UK**
- Certified for GOLS (Global Organic Latex Standards) & GOTS (Global Organic Textile Standard) - **Control Union, Netherlands**
- Certified for FSC which focuses on responsible management of forestry (Plantations) - **Forestry Stewardship Council, USA**

Standard Product Specifications

- Latex foam is manufactured based on standard country bed sizes
- Maximum height of a latex foam block is 15cm (6 inches).
- Standard product dimensions can be adjusted according customer requirements by laminating (Increase height) or joints (increase length or width)
- Product dimension standard tolerances on length & width -0/+2cm. Height -0/+0.4cm
- Production density (Feel) can range from 55 (soft) to 95 (Extra firm) with tolerances +/- 3 units
- Depending on specific customer requirements product specifications can be modified

Standard Packaging specifications

- All foam blocks and sheets are packed in 400gsm polythene bags. Special packaging requirements can be done based on customer specific needs
- For Pillows standard master cartons (5 ply) is used.
- Based on customer requirements retail ready packaging, UPS/FEDEX approved packaging can also be considered
- All product labels, including law labels and brand labels can be accommodated according to customer requirements.

Latex Foam - MSDS

PRODUCT INFORMATION

Name: Latex Foam Products Synthetic and/or Natural Foams

HAZARDOUS COMPONENTS

Not applicable

PHYSICAL DATA

Form: Cellular latex foam

Density Ranges: 3 lb/ft³ to 15 lb/ft³

FIRE AND EXPLOSION DATA

Flammability Classification:

HMIS RATING = 1, Flash Point > 400°F

NFPA RATING = 1

Extinguishing Media:

Water stream, spray, or fog. Dry chemicals or foam.

Fire Hazards:

If ignited, this product will burn and consume oxygen. This product may produce irritating and toxic by-products during combustion. Self-contained breathing apparatus must be donned when fighting a latex foam fire.

HEALTH HAZARD INFORMATION

The primary health concern of latex foam is the inhalation of fumes that may be generated during combustion.

Latex Foam Products Natural and/or Synthetic Foam may contain natural rubbers, synthetic rubbers, and rubber curatives that have been known to cause allergic reactions in some individuals.

TOXICOLOGICAL INFORMATION

Effect

Eye Contact-----	No Published data Available
Skin Contact-----	Can cause allergic reactions in some Individuals
Inhalation -----	No Published data Available.
Ingestion -----	No Published data Available

SPECIAL PROTECTION INFORMATION

Respiratory Protection	:	-----	None required
Ventilation:	:	-----	None required
Protective Gloves	:	-----	None required
Eye Protection	:	-----	None required

HEALTH ADVISORY.

Immediately consult a physician under individual allergy conditions.

REACTIVITY DATA

Stability:	Stable
Hazardous	Polymerization: Will not occur
Conditions to Avoid:	Avoid extreme heat sources such as open flames, sparks, welding torches, cigarettes, etc.

ENVIRONMENTAL PROTECTION PROCEDURES

Waste Disposal Method:

Waste latex foam is not hazardous waste as defined by the Resource Conservation and Recovery Act. Latex foam is suitable for disposal via municipal landfill or incineration in most states and municipalities. Consult local regulations before disposing of latex foam.

SPECIAL PRECAUTIONS

If latex foam is warehoused or otherwise stored, proper sprinkler coverage should be maintained. Consult your local Fire Marshall or insurance carrier regarding proper sprinkler coverage for the storage of latex foam. We urge customers and recipients of this MSDS to study it carefully and understand the hazards associated with our products. Customers and recipients of this MSDS should understand that the information contained in this MSDS is limited. Experts in the fields of toxicology, fire science, and ventilation should be consulted to utilize the information contained in this document and to provide additional information as necessary.

DISCLAIMER

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damages incurred by the use of this material. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of this material is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereafter with respects to the information contained herein or the material to which the Information refers. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.