

## IN-HOUSE MANUFACTURING & DIE-CUTTING BULATEX® FULL RANGE OF HIGH PERFORMANCE FOAMS

Specialized in rubber manufacturing since 1853, Hutchinson is the global leader in sealing technologies. Our expertise and know-how enable us to offer high performance foams in a wide range of materials and convert parts in all shapes and options to perfectly meet customer requirements.

Hutchinson designs and manufactures BULATEX®, a full range of EPDM foams for multiple functions : acoustic and thermal insulation, air , dust, water-tightness, protection, anti-vibration, damping, or wedging.

Providing both closed and open cell foams and covering a broad range of technical characteristics allows us to meet the requirements of the most demanding applications and markets.

> **closed cell foams** guarantee a perfect sealing at low compression



> **open or semi-closed cell foams** ensure sealing while adapting to all geometries (shape defects, large tolerances...) thanks to their high compression capacity.

Our experts assess customers specifications to deliver the most effective solutions in terms of material, process, shape and continuously monitor adherence to their specifications and standards.

To ensure the highest standards of quality, our process is fully integrated within our facilities, from beginning to end. Materials are formulated in our dedicated laboratory and Research and Innovation Center, while EPDM foams are developed and manufactured at our state-of-the-art facility in Briare, France. Die-cutting operations are carried-out in our converting plants, located near our customers all around the world.

### CHARACTERISTICS

- > Low thermal conductivity (~0.035 W/m °C)
- > Fire resistance validated by FMVSS 302 & EN45545-2
- > Wide temperature range from -50°C to 150°C, while keeping mechanical characteristics
- > A full range of compression deflection from 2kPa to 180kPa
- > Density from 50 kg/m³ to 750 kg/m³
- > Load-bearing capacities from 2 kPa to 1,500 kPa

### LOWER CARBON RANGE

Committed to reach carbon neutrality objectives by 2050, we launched a range of lower carbon Bulatex foams, available in blocks, rolls or die-cut parts. This lower carbon version offers a 22% to 35% CO2 reduction with the same mechanical performances.

Calculation based on LCA, in accordance with ISO 14040 and ISO 14006 guidelines.



### DIE-CUTTING EVERY SHAPE OF PARTS

We specialize in converting a wide range of materials including EPDM, PU, PE, NBR-PVC, felt, fleece and silicone into precise shapes tailored to meet your assembly constraints.

Our offering includes a variety of adhesive options, featuring PP film, scrim and unwoven carriers, ensuring optimal performance for your specific applications.

Whether you need individual parts, complete sets, or rolls, we provide flexible delivery solutions to match your needs. Additionally, our components can be outfitted with grip tabs, enhancing both usability and ergonomic functionality within your assembly process.

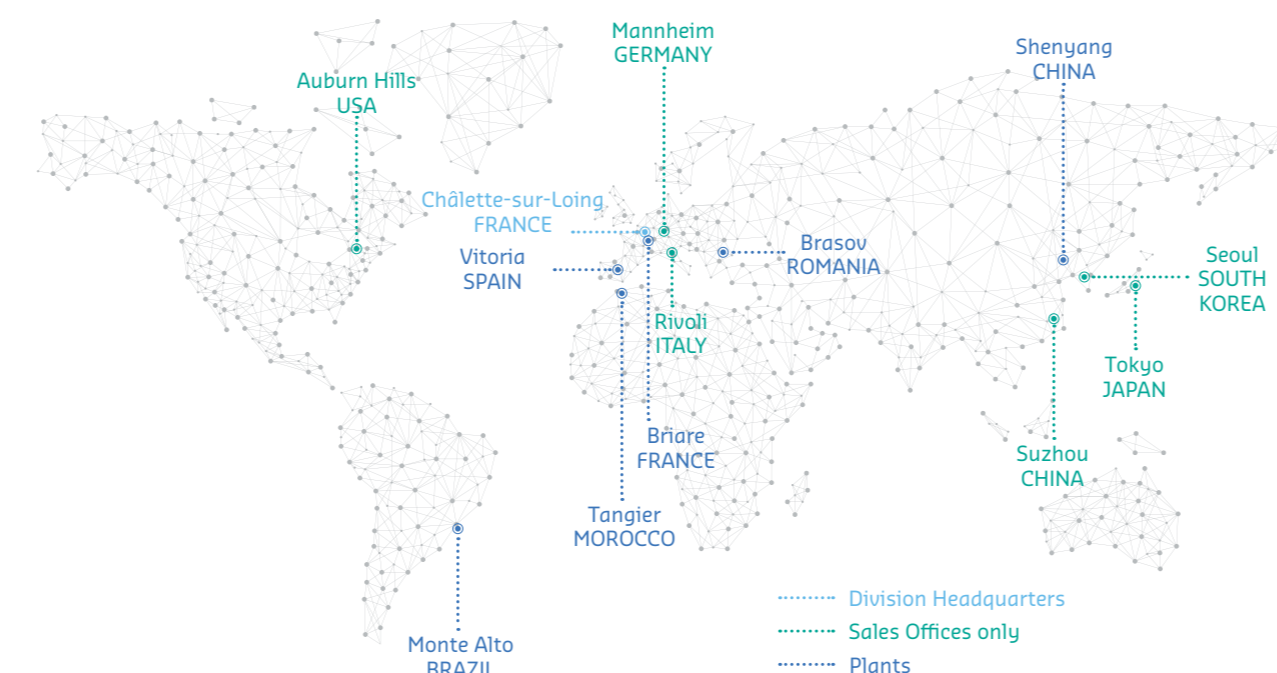


### HUTCHINSON - PRECISION SEALING SYSTEMS

Hutchinson is a French leading manufacturer of Precision Sealing Systems. We develop, design and manufacture static and dynamic sealing solutions, magnet rings, foams and composites to meet the most demanding customer requirements. Our 170 years of experience has earned us the trust of the major players in the automotive, aerospace, defense, energy, rail, and industrial markets.

With 28 sites in 15 countries, Hutchinson Precision Sealing Systems employs 6,650 people and has a turnover of more than €707M in 2023.

### FOAM & CONVERTING SITES AROUND THE WORLD



### HUTCHINSON KEY FIGURES



40,000 employees



25 Countries



100 Sites



€4.8 Billions Revenue in 2023



5% of our revenue invested in R&D

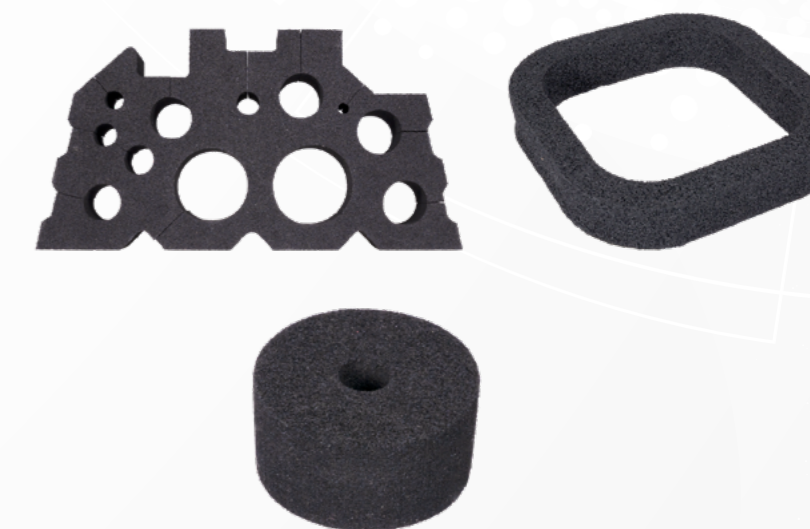
HUTCHINSON FOAM & CONVERTING DIVISION  
Châlette-sur-Loing - FRANCE  
[www.precisionsealingsystems.hutchinson.com](http://www.precisionsealingsystems.hutchinson.com)  
[www.hutchinson.com](http://www.hutchinson.com)

Contact us



# BULATEX®

## FULL RANGE OF CELLULAR RUBBER

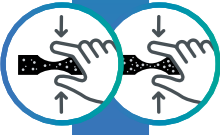


HUTCHINSON



# BULATEX® FULL RANGE OF HIGH PERFORMANCE EPDM FOAMS

VERY SOFT- SOFT



## COMPRESSION DEFLECTION



**VS16A**

The most flexible open cell foam  
Fits all tolerances at the best price  
Lowest thermal conductivity

U-shaped sealing test	>70% compression
U-shaped sealing test with 2 adhesive sides	>40% compression
Density	90 kg/m <sup>3</sup>
Compression deflection 50%	2 kPa



**VS16B**

The most flexible closed cell foam  
Ideal for exterior cladding (does not damage parts flush ...)

U-shaped sealing test	>40% compression
U-shaped sealing test with 2 adhesive sides	>10% compression
Density	80 kg/m <sup>3</sup>
Compression deflection 50%	5 kPa



**VS165**

High density open cell foam  
Adapts to all tolerances

U-shaped sealing test	>60% compression
U-shaped sealing test with 2 adhesive sides	>40% compression
Density	110 kg/m <sup>3</sup>
Compression deflection 50%	7 kPa



**VS165-S**

Very soft foam with high remanence

U-shaped sealing test	>50% compression
U-shaped sealing test with 2 adhesive sides	>40% compression
Remanence	70% compression 22h/90°C: 20% NFR 99-211 : 22h/70 °C: <5%
Density	160 kg/m <sup>3</sup>
Compression deflection 50%	10 kPa

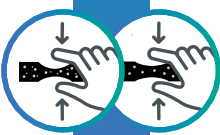


**S16H**

The most aerated semi-closed cell foam  
The right sealing for all dispersions

U-shaped sealing test	>40% compression
U-shaped sealing test with 2 adhesive sides	>0% compression
Density	105 kg/m <sup>3</sup>
Compression deflection 50%	20 kPa

SOFT-CLASSIC



## COMPRESSION DEFLECTION



**S166**

The least dense of the closed cell foams

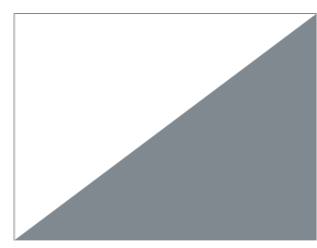
U-shaped sealing test	>20% compression
U-shaped sealing test with 2 adhesive sides	>0% compression
Density	80 kg/m <sup>3</sup>
Compression deflection 50%	80 kPa



**C162**

Closed cell foam, the ideal firmness  
for most vibration problems

U-shaped sealing test	>20% compression
U-shaped sealing test with 2 adhesive sides	>0% compression
Density	125 kg/m <sup>3</sup>
Compression deflection 50%	110 kPa



**C268**

Closed cell foam in color, for better detection

U-shaped sealing test	>20% compression
U-shaped sealing test with 2 adhesive sides	>0% compression
Density	140 kg/m <sup>3</sup>
Compression deflection 50%	115 kPa



**C167**

Closed cell foam with remanence  
The ideal foam for removable parts

U-shaped sealing test	>20% compression
U-shaped sealing test with 2 adhesive sides	>0% compression
Remanence	50% compression 22h/23°C: 19%
Density	150 kg/m <sup>3</sup>
Compression deflection 50%	115 kPa



**C167 HD**

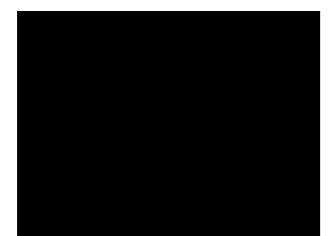
Closed cell foam, remanence with added density  
Ideal for high stress sealing

U-shaped sealing test	>20% compression
U-shaped sealing test with 2 adhesive sides	>0% compression
Remanence	50% compression 22h/23°C: 18%
Density	170 kg/m <sup>3</sup>
Compression deflection 50%	125 kPa

HARD



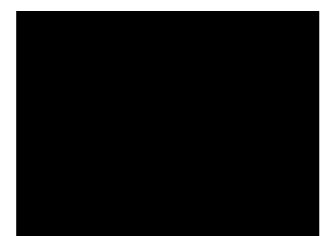
## COMPRESSION DEFLECTION



**H16C**

The foam of all wedges

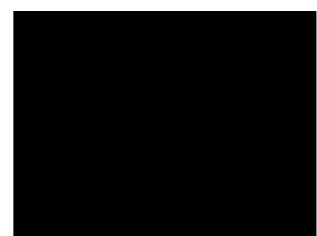
Density	240 kg/m <sup>3</sup>
Compression deflection 25%	53 kPa
Compression deflection 50%	170 kPa
Hardness	55 Sh00



**H16D**

Ideal protection against impact

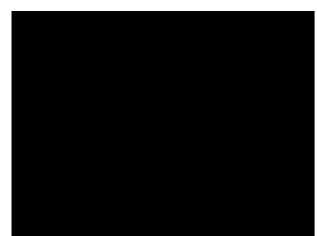
Density	380 kg/m <sup>3</sup>
Compression deflection 5%	40 kPa
Compression deflection 25%	140 kPa
Hardness	25 ShA - 60 Sh00



**H16E**

Protection to absorb a high level of energy

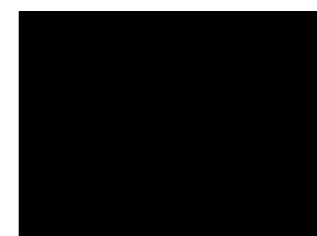
Density	490 kg/m <sup>3</sup>
Compression deflection 5%	60 kPa
Compression deflection 25%	180 kPa
Hardness	32 ShA - 75 Sh00



**H16F**

A 40 ShA solution at the best price

Density	600 kg/m <sup>3</sup>
Compression deflection 5%	80 kPa
Hardness	40 ShA - 80 Sh00



**H16G**

Before going on our compact rubbers

Density	750 kg/m <sup>3</sup>
Compression deflection 5%	90 kPa
Hardness	50 ShA - 87 Sh00



**VS29J**

Semi closed cell silicon foam

Density	200 kg/m <sup>3</sup>
Remanence	50% compression 22h/100°C: 5%
Compression deflection -25%	10 kPa
Thermal conductivity	0.05 W/(m <sup>2</sup> K)



**S150-FR**

Closed cells NBR-PVC  
UL94 HF-1  
EN 45545-2: HL2 for R22, R23 & R24  
FMVSS 302: Self-extinguishing

Density	50 kg/m <sup>3</sup>
Compression deflection 50%	40 kPa
Thermal conductivity	0.035W/m <sup>2</sup> C



**C160-FR**

UL94 HBF  
EN 45545-2: HL2 for R22, R23 & R24  
FMVSS 302: Self-extinguishing

Density	190 kg/m <sup>3</sup>
Compression deflection 50%	100 kPa



**C242**

Closed cell EPDM/CR rubber

Density	175 + 25 kg/m <sup>3</sup>
Compression deflection 50%	80-160 kPa



**SULFUR-FREE**

C167-type foam, compatible with all printed circuits

Density	130+/- 20 kg/m <sup>3</sup>
Compression deflection 50%	125 kPa

SPECIAL FOAMS