

IN-HOUSE FOAM MANUFACTURING & DIE-CUTTING FOR ALL INDUSTRIES

Specialized in rubber manufacturing since 1853, Hutchinson is the global leader in vibration control, fluid management, and sealing technologies. Its Foam & Converting Division (FCD) designs and manufactures a complete range of EPDM foams under the brand name BULATEX®.

Our extensive experience, expertise, and know-how enable us to offer our clients high quality custom designed and tailored solutions for any application involving protection, thermal and acoustic insulation, wedging, or sealing.

To guarantee the highest level of quality, the process is fully integrated (i.e. internal from start to finish). It starts with material development at our Hutchinson Corporate Research and Innovation Center, followed by production of our EPDM foams at our French facility (Briare). In addition, most of our converting plants are located nearby our customers which helps to minimize our environmental foot print and helps to meet certain ecological requirements.

Providing both closed and open cell foams, covering a broad range of technical characteristics, gives us the ability to deliver solutions to all industrial markets, while also allowing us to meet the ever growing number of product constraints.

Our laboratory constantly monitors the compliance with our customers' specifications in accordance with the most severe requirements. Our experts remain at your disposal to analyze your specific need and recommend the most appropriate solution.

A FULL RANGE OF HIGH PERFORMANCE FOAMS

Our BULATEX® range offers low thermal conductivity (~0.035 W/m °C) and our foams are validated for fire resistance by FMVSS 302. They can be used over a wide temperature range from -50 to 150°C, while keeping their mechanical characteristics.

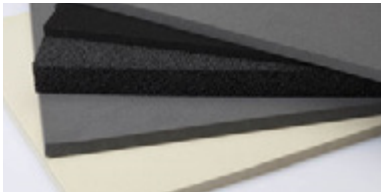
CLOSED & OPEN CELL FOAMS



Our expertise enables us to offer both closed and open cell foams:

- > **closed cell foams**, guaranteeing perfect sealing at low compression
- > **open cell foams** (or sponge foams) ensuring sealing while adapting to all geometries (shape defects, large tolerances, etc.) thanks to their high compression capacity.

A COMPLETE RANGE OF COMPRESSION DEFLECTION



Our BULATEX® foams offer densities from 50 kg/m³ to 750 kg/m³, and load-bearing capacities from 2 kPa to 1,500 kPa.

They deliver optimal performance in:

- > acoustic (absorption or insulation)
- > air / dust / water-tightness
- > wedging, counterforce application
- > anti-vibration

DIE-CUTTING EVERY SHAPE OF PARTS

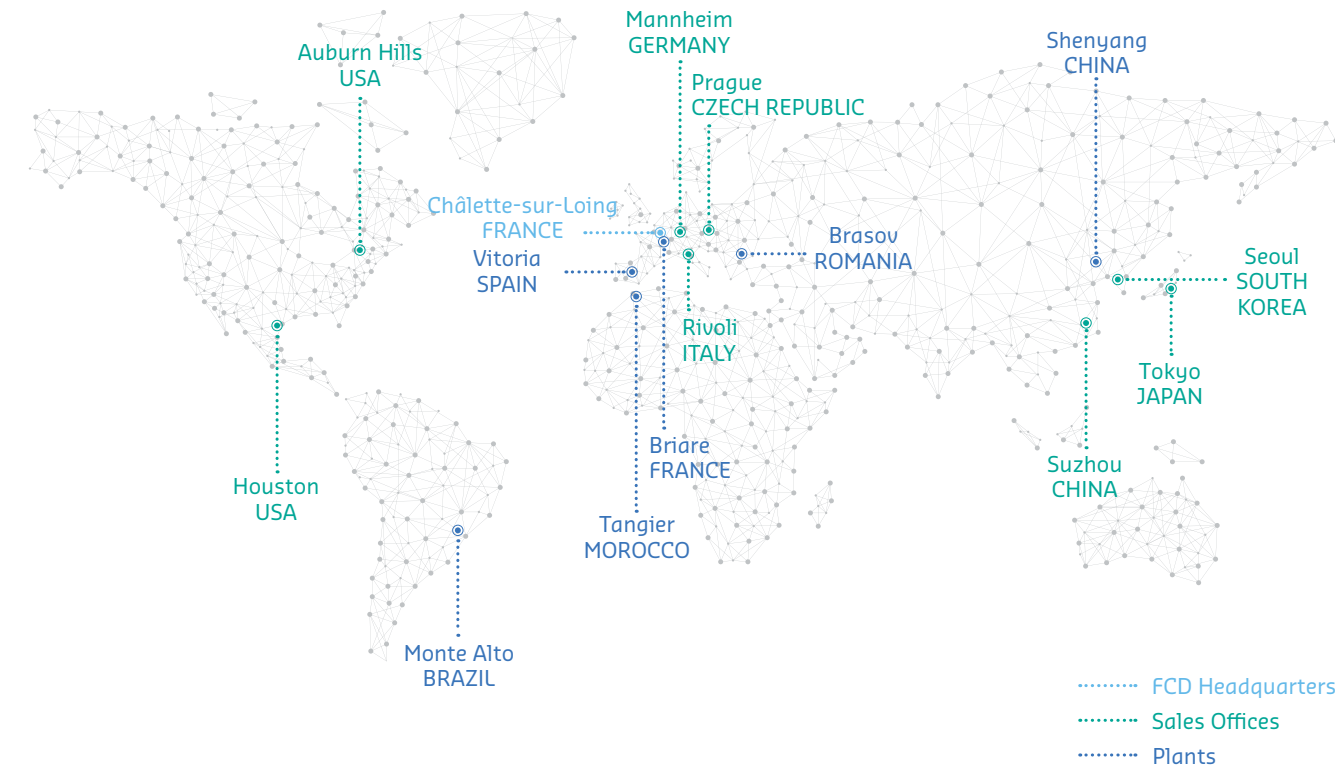


We can convert all shapes of parts and adapt them to assembly constraints.

Our parts can be made with a wide range of adhesives (PP film carrier, scrim carrier, unwoven carrier).

Parts can be delivered in sets, rolls or per unit. They can be equipped with grip tabs to meet assembly and ergonomic constraints.

OUR FOAM & CONVERTING SITES AROUND THE WORLD



ABOUT HUTCHINSON



€ 4,314 M turnover



25 countries



5% invested each year in Research and Innovation



97 sites around the world



> 44,000 employees

HUTCHINSON FOAM & CONVERTING DIVISION

BP 56 - 45120 Châlette-sur-Loing - FRANCE

Phone: +33 2 38 87 54 48

Email: sales.fcd@hutchinson.com

www.hutchinson.com

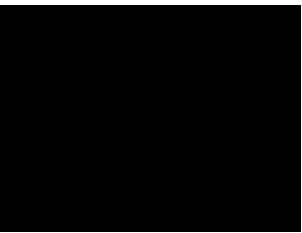
BULATEX®

Full Range of Cellular Rubber

We make it *possible*



VERY SOFT - SOFT



VS16A

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

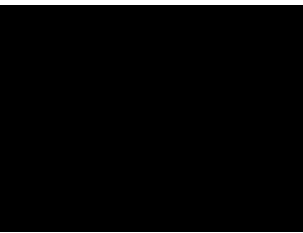
| | |
|---|------------------|
| U-shaped sealing test | >70% compression |
| U-shaped sealing test with 2 adhesive sides | >40% compression |
| Density | 90 kg/m³ |
| Compression deflection 50% | 2 kPa |



VS16B

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

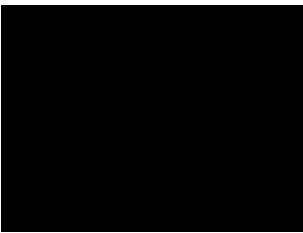
| | |
|---|------------------|
| U-shaped sealing test | >40% compression |
| U-shaped sealing test with 2 adhesive sides | >10% compression |
| Density | 80 kg/m³ |
| Compression deflection 50% | 5 kPa |



VS16S

High density open cell foam
Adapts to all tolerances

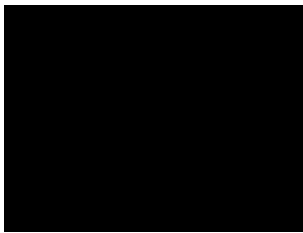
| | |
|---|------------------|
| U-shaped sealing test | >60% compression |
| U-shaped sealing test with 2 adhesive sides | >40% compression |
| Density | 110 kg/m³ |
| Compression deflection 50% | 7 kPa |



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/m³ |
| Compression deflection 50% | 20 kPa |



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/m³ |
| Compression deflection 50% | 80 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/m³ |
| Compression deflection 50% | 10 kPa |

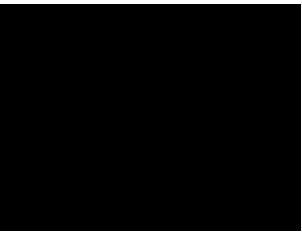


S150-FR

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

| | |
|----------------------------|------------|
| Density | 50 kg/m³ |
| Compression deflection 50% | 40 kPa |
| Thermal conductivity | 0.035W/m°C |

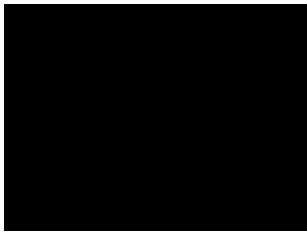
CLASSIC



C16I

Closed cell foam

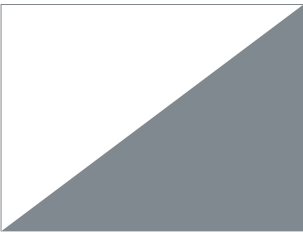
| | |
|---|------------------|
| U-shaped sealing test | >20% compression |
| U-shaped sealing test with 2 adhesive sides | >0% compression |
| Density | 100 kg/m³ |
| Compression deflection 50% | 95 kPa |



C162

Closed cell foam, the ideal firmness for most vibration problems

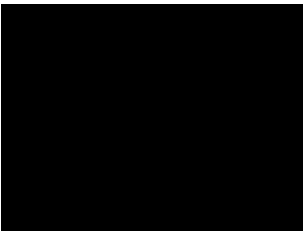
| | |
|---|------------------|
| U-shaped sealing test | >20% compression |
| U-shaped sealing test with 2 adhesive sides | >0% compression |
| Density | 125 kg/m³ |
| Compression deflection 50% | 110 kPa |



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/m³ |
| 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/m³ |
| 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/m³ |
| Compression deflection 50% | 125 kPa |

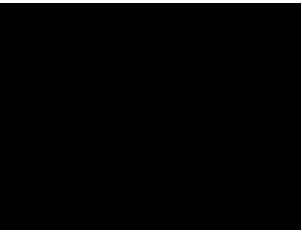


C160-FR

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

| | |
|----------------------------|-----------|
| Density | 190 kg/m³ |
| Compression deflection 50% | 100 kPa |

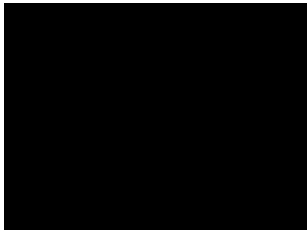
HARD



H16C

The foam of all wedges

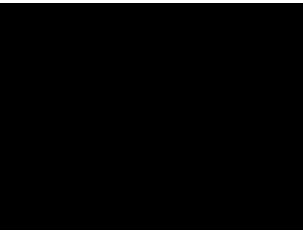
| | |
|----------------------------|-----------|
| Density | 240 kg/m³ |
| Compression deflection 25% | 53 kPa |
| Compression deflection 50% | 170 kPa |
| Hardness | 55 Sh00 |



H16D

Ideal protection against impact

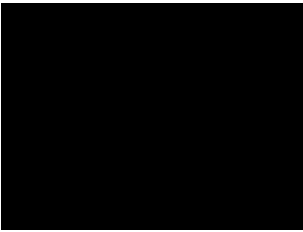
| | |
|----------------------------|------------------|
| Density | 380 kg/m³ |
| Compression deflection 5% | 40 kPa |
| Compression deflection 25% | 140 kPa |
| Hardness | 25 ShA - 60 Sh00 |



H16E

Before going on our compact rubbers

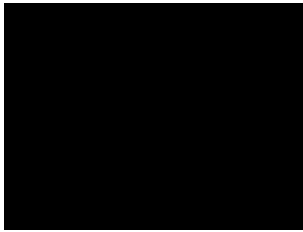
| | |
|----------------------------|------------------|
| Density | 490 kg/m³ |
| Compression deflection 5% | 60 kPa |
| Compression deflection 25% | 180 kPa |
| Hardness | 32 ShA - 75 Sh00 |



H16F

Before going on our compact rubbers

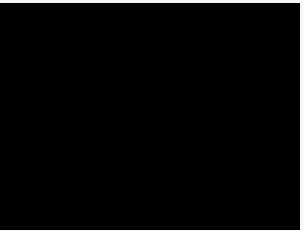
| | |
|---------------------------|------------------|
| Density | 600 kg/m³ |
| Compression deflection 5% | 80 kPa |
| Hardness | 40 ShA - 80 Sh00 |



H16G

Before going on our compact rubbers

| | |
|---------------------------|------------------|
| Density | 750 kg/m³ |
| Compression deflection 5% | 90 kPa |
| Hardness | 50 ShA - 87 Sh00 |



Sulfur-Free

C167-type foam, compatible with all printed circuits.
Contact us for more information

SPECIALS FOAMS