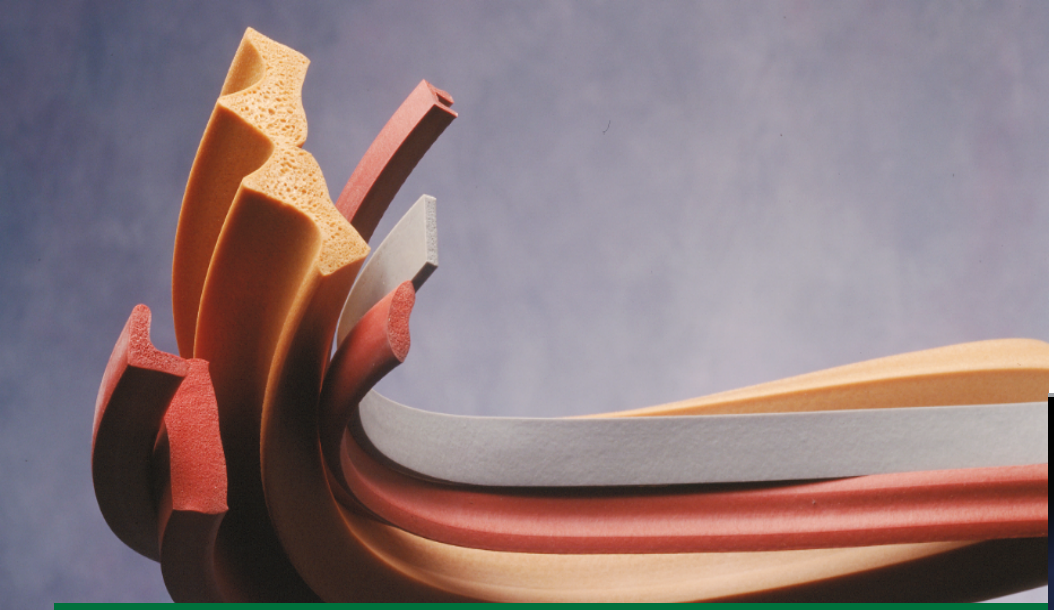
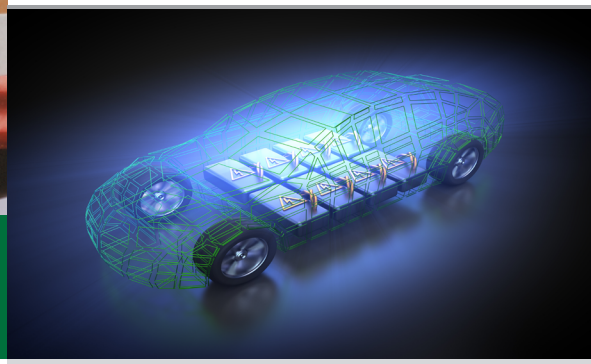


COVISON®
Sealed. By Design



Covison® Foam Solutions

Covison® High Temp Foam 3746

At Saint-Gobain PPL Sealing Solutions, we understand the criticality of your application.

Our standard compliant material brings our clients ready to use solutions and peace of mind when a customized seal is required.

Qualified Materials that Perform

Our best in class silicone materials are formulated in our labs. We develop compounds that fit your needs in terms of performance and are ready to be used in your market.

Our Concern: The Sealing Performance of your Equipment

A closed cell structure elastomer allows high flexibility and is adaptable to various surface applications. Its low density allows lower compression efforts and preserves the entire set of sealing properties.

At Saint-Gobain, we developed a foam compound that also ensures a high compression set thanks to its unique formulation. Our flexible tooling allows us to produce 6mm to 20mm diameter cords with precision. We deliver in coils of 25 meters or the cord as a ring with hot-junctioned extremities.

If your application requires a particular length, we offer the possibility to include an anti-elongation wire inside the cord.

The inclusion of anti-elongation wires inside cords is available if the application requires a particular length. This results in the precise installation of the cord while maintaining all the benefits of using foam.

Saint-Gobain uses 30+ years of industry experience and a close understanding of your challenges to create the seal that best fits your needs. We have also developed innovative processes such as Finite Element Analysis (FEA) to anticipate the behavior of the seal and detect potential problems before they occur. The result: a customized seal with an optimized fit for your application.

Our Research & Development center can also customize solutions for the market, such as a Self-Adhesive option available on request. We will bond any tape you want to use on our silicone seals.

Features and Benefits

- NF ISO70-100 F1/I2 compliant
- V1 compliant according ASTM D3801-10
- Customizable to your critical applications
- Fast time to market
- Possible small series
- Multiple density available on request (from 0,6 to 0,9)
- Possibility to add anti-elongation strip

Typical Applications

- Battery
- Lighting
- Electrical Boxes

Why Silicone?

- Superior lifetime
- Excellent compression set

Regulatory Compliance

- REACH compliant

SAINT-GOBAIN

Covison® Foam Solutions

www.ics.saint-gobain.com

Typical Physical Properties*

Property	ASTM Method	Value or Rating
Specific Gravity	NF ISO 2781	0.6
Basic Colors	N/A	Blue
Tear Resistance - Angle test piece (N/mm)	NF ISO 34-1 Ba	7.4
Tensile Strength (Mpa)	NF ISO 37	1.7
Enlongation at break (%)	NF ISO 37	430
Maximum Recommended Operating Temp., C° (F°)	N/A	200°C continuous/ 220°C peaks

*May vary from plant to plant

Unless otherwise noted, all tests were conducted at room temperature (73°F). Values shown were determined on 0.075" thick extruded strip or 0.075" thick molded ASTM plaques or molded ASTM durometer buttons.

These figures are intended as a guide and should not considered as specifications. According to the application, the user must check that these properties are compliant.

Delivery Options

Standard coils	✓
Cut to length	✓
Junction	✓
Anti elongation strip	✓
Low friction coatings	
Metal Insert	
Self Adhesive	Ask our Engineers

Material Compliance

NF ISO70-100 1&2	F1 / I2
ISO4589-2: 2017	Pass
NF 60695-2-10	Pass
NF 60695-4-11	Pass
ASTM D3801-10	V1

For storage standard conditions, please contact us.

The values listed for working and burst pressures are derived from tests conducted under controlled laboratory conditions. Many factors will reduce the tubing's ability to withstand pressure, including temperature, chemical attack, stress, pulsation and the attachment to fittings. It is imperative that the user conduct tests simulating the conditions of the application prior to specifying the tubing for use.

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