



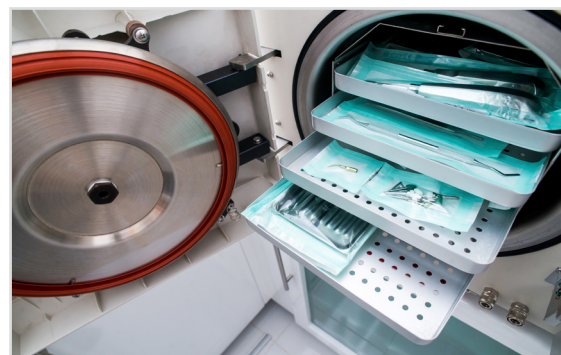
SEALING SOLUTIONS FOR OVEN AND AUTOCLAVE MARKETS

Covison® Oven and Autoclave Silicone Solutions

The trustworthy partner in seals

When you deal with the sealing of an oven (for cooking, baking, combi-steamer...) or an autoclave, **Saint-Gobain Sealing Solutions** is **the right partner for you**. We know that you and your clients are seeking for **the most efficient sealing system** in order to minimize the need for maintenance and maximize the performance of your product.

With more than 40 years of experience in this sector, we are aware that each oven is different and need **a customized sealing solution** in order to make the most out of it.



Approved Food Grade Silicone

Great Custom Design

Advance Mechanical Performance Silicone

Silicone is recognized for its **advanced mechanical performances** under **critical environment**, especially when used at **high temperature** and **high humidity conditions**.

Our Covison silicone seals provide with **the most durable results** thanks to the combination of our **design expertise** and **formulation knowledge**, and fit with the most demanding specifications (FDA, BfR...). Ask the most of the seal!

Why Silicone

- Approved grades in food contact
- Proven chemical and mechanical performance at high temperature and high humidity
- Grease resistance
- Long life span

Your Ready To Use Sealing Solutions


Typically we provide a closed frame to the dimensions of your door and the geometry of the seal include a **"foot"** that you will place in the groove of the door or of the frame of the oven. Besides, we can also deliver seals in rings on coils.

We are able to use **different processes** in order to provide you with the **best product**. If you have in mind a different system, let us know and we will provide you early samples or will run **a FEA simulation to validate your ideas!**

Our industrial footprints located in **France and Germany** allows us to give you the best service in reactivity and technical support.

Don't hesitate to contact us:
SLS@saint-gobain.com



Join our community, click 

FEATURES & STANDARDS



Features and Benefits

- Compliant to various **Food and Beverage Standards**
- Advanced design support
- **Multiple hardnesses** available
- Various processes to better fit your needs: extrusion, molding, various corners manufacturing technologies
- **Customized** for your critical applications
- Fast Time to Market
- Several **finishing options** available

40 Years of Know-How in High Performance Sealing Solutions



Characteristics of our Durable Seals

All seals series have been tested for several necessary properties as shown by the results following;

- **Low Hardness (Shore A):**
Typically 50 - 60 durometer
25 - 80 durometer is available with possibility
- **Low Tensile Strength :** 7+ to 9+ MPa
- **High Elongation at Break :** Up to 350%
- **High Tear Resistance :** Up to 26.5 N/mm
- **Extreme Temperature Resistance :**
-110°C to +275°C (-166°F to +527°F)

Regulation Compliance

- **FDA 21 CFR 177.2600**
- **BfR-Empfehlungen: XV Silicone**
- **Journal officiel de la République française - Arrêté du 25 novembre 1992**

These compliances represent our **high manufacturing and material used qualities** to ensure that all products are undoubtedly safe for your customers as end users.

We Speak Oven

- Two plants EN9001 approved (France and Germany)
- **Engineers** to drive your projects until the end
- Experience in large project management
- Capacity to be **very reactive**

We bring you Peace of Mind Sealing Solutions

Covison® Sealed. By Design



Saint-Gobain Performance Plastics

5 rue du Dauphiné
38070 Saint-Quentin-Fallavier
France

Tel.: +334 74 94 82 22
Email: SLS@saint-gobain.com

Saint-Gobain Performance Plastics

Robert-Bosch-strasse17
88131 Lindau
Germany

Tel.: +49 8382 805616
Email: SLS@saint-gobain.com

NOTE: The data and details given in this document are correct and up to date. This document is intended to provide information about the product and possible applications. This document is not the product specification and does not provide specific features, nor does it guarantee product performance in specific applications. Saint-Gobain cannot anticipate or control the conditions of the field and for this reason strongly recommends that practical tests are conducted to ensure that the product meets the requirements of a specific application.

Covison® is a trademark of Saint-Gobain Performance Plastics.