



Covison™ Compound Solutions

Covison™ Low Compression Set Compound S60V54B

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: Our Product Performance in your Application

This formulation is adapted when used in a composite manufacturing process. Its great temperature resistance and very low compression set results in a valued performance for this industry. Additionally, our formulations will perform during the curing process in an autoclave.

It is compatible with all our processes and can be delivered as a molded part, extruded profile or calendered roll. Ask our engineers about your needs and we will offer the best solution.

Features and Benefits

- Temperature resistance
- Compression set

Typical Applications in Composite Parts Manufacturing

- Membrane autoclave
- Mandrel
- Protective sheet
- Compression pad

Regulatory Compliance

- REACH compliant

Typical Physical Properties*

Property	Method	Value or Rating
Hardness Shore A	ISO 7619-1	60
Basic Colors	N/A	Grey
Tear Resistance angle test piece (N/mm)	ISO 37	>20
Tensile Strength (Mpa)	ISO 37	>8
Enlongation at break (%)	ISO 37	>275
Compression Set (22hrs/177°C)	ASTM D395 ISO 815-1	<8
Maximum Recommended Operating Temp., C° (F°)	N/A	250°C (482°F)
Storage Period		10 years
Special gravity (g/cm ³)	ISO 2781	1.15

*May vary from plant to plant

Unless otherwise noted, all tests were conducted at room temperature. Measured on ASTM standard slabs for compact mixing and on extruded strips for cellular mixing.

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

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.

www.processsystems.saint-gobain.com



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 strasse 17
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.