

# Covison® Rail Solutions

## CUSTOM EXTRUDED AND MOLDED SILICONE GASKETS

### Our Capabilities

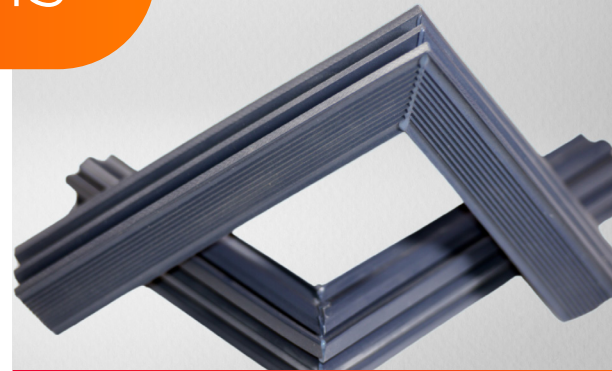
- Custom formulation: EN45545, Fire & Smoke
- Extrusion
- Injection/molding
- Finishing, precision cutting, gluing, hot welding
- Easy product mounting, assemblies, coating

### Key Highlights

- Simulation by Finite Element Method (FEM)
- Prototyping/tooling
- In-house extrusion tooling manufacturing

### Superior Material Properties of Silicone

- Long lifetime
- Wide temperature resistance: -115°C up to 300°C
- Hardness: 20 ShA up to 80 ShA
- Low compression set (10% to 50%)
- Good electric insulator—can be conductor



### Features and Benefits

- Possible small series
- Multiple colors available
- Multiple hardnesses available
- Extruded or molded

### Typical Applications

- HVAC
- Doors
- Windows
- Flooring
- Interiors

### Regulatory Compliance

- REACH compliant
- EN 45 545 compliant



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## Typical Physical Properties

Property	ASTM Method	Value or Rating
Hardness (Shore A)	NF ISO 7619-1	70
Basic Colors	-	Night Blue
Tear Resistance - Angle Test Piece (n/mm)	NF ISO 34-1 Ba	19-20
Specific Gravity (g/cm <sup>3</sup> )	NF ISO 2781	1,3 - 1,4
Tensile Strength (MPa)	NF ISO 37	9 - 9,5
Compression Set (%) (70h - 150°C - 25%)	NF ISO 815-1	16 - 17
Elongation at Break (%)	NF ISO 37	-230
Maximum Recommended Operating Temp., °C	-	200°C
Low Temp. Flexibility, °C	-	-50°C

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 be considered as specifications. According to the application, the user must check that these properties are compliant.

## Material Compliance

Special Standard	EN 45 545 HL3 for R22 and R23
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For storage standard conditions, please contact us.

## Rail Applications



- 1 HVAC Seals
- 2 Lighting Gaskets
- 3 Door Seal
- 4 Window Gaskets

- 5 Floor Panels
- 6 Ducting Gaskets
- 7 Panel Seals



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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.

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