

# Covison® Lighting Solutions

## CUSTOM SILICONE SEALS FOR PUBLIC LIGHTING

### Engineered for Reliability

- **Extend system lifespan** with high-performance, custom-engineered silicone seals from Saint-Gobain
- **Achieve uncompromising protection** against water ingress with superior watertight sealing
- **Rely on long-term durability** in extreme temperatures, UV exposure, and high-humidity environments
- **Safeguard sensitive electronics** with natural shock and vibration absorption
- **Perform under pressure** — ideal for harsh climates, pollution, and urban wear and tear
- **Reduce maintenance and downtime** through consistent, reliable sealing performance
- **Tailored to your needs** — precision-designed solutions backed by global materials expertise
- **Partner with confidence** — trusted by industry leaders worldwide for outdoor lighting protection

### Features and Benefits

- Excellent weather resistance
- High durability
- Fast time to market
- Multiple hardnesses and colors available
- Various processes to better fit your needs: extrusion, molding
- Several finishing options available
- Customized for your critical applications
- Advanced design techniques, Finite Element Analysis (FEA)



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## Typical Seal Properties

		Foam Cord	Compact Seal
Temperature Resistance (Uncontained Atmosphere)			
Minimum Temperature		-50°C	-60°C
Continuous Maximum Temperature		200°C	200°C
Peak Maximum Temperature		220°C	220°C
Properties*			
	Standard		
Hardness (Shore A)	NF ISO 48-4		50
Specific Gravity (g/cm <sup>3</sup> )	NF ISO 2781	0.56	1.18
Tensile Strength (Mpa)	NF ISO 37	1.3	9.7
Elongation Break (%)	NF ISO 37	600	419
Tear Resistance at Angular Test Piece	NF ISO 34-1 Ba		261
Compression Set	NF ISO 815-1	20% (22 hours @150°C, 25%)	37.5% (70 hours, 150°C, 25%)

\*Properties measured on ASTM standard slabs for compact mixing and on extruded strip for cellular mixing. These figures are intended as a guide and should not be considered as specification. Users shall check that these properties are compliant to their application.



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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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