

**SEKISUI FOAM AUSTRALIA**

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# TECHNICAL INFORMATION

## TECHNICAL DATA SHEET

### Lightlon® Closed Cell Backer Rod (Lightlon®)

**Description:**

Lightlon® Closed Cell Backer Rod is a compressible, closed cell polyolefin foam tube with an outer skin. It is used as a backing for cold applied sealants in expansion/construction joints and building seal applications. The foam is free of heavy metals, plasticisers and CFCs. Lightlon® Closed Cell Backer Rod is available in white colour.

Property	Typical Value	Test Method
Density	33 kg/m <sup>3</sup> (nominal)	Internal
Tensile Strength	3.3 – 5.8 kg/cm <sup>2</sup> (longitudinal)	JIS K6767
Elongation	49 – 140% (longitudinal)	JIS K6767
Tear Strength	2.0 kg/cm	JIS K6767
Compression Strength	0.5 – 0.82 kg/cm <sup>2</sup> @ 25% deflection 1.0 – 1.4 kg/cm <sup>2</sup> @ 50% deflection	Internal
Compression Set	16 – 25% @ 50% deflection (radial)	Internal
Dimensional Change Heat	-1.50% (longitudinal) -0.90% (crosswise)	70°C, 22HR
Water Absorption	0.4 mg/cm <sup>2</sup>	JIS K6767
Operating Temperature Range	-80 / +80 °C	Internal

**Tolerances:**

The following table lists diameters and production tolerances of standard Lightlon® Closed Cell Backer Rod products:

Nominal Diameter	Tolerance
6mm	-0.5mm / +1.5mm
10mm	-1.0mm / +1.5mm
13mm	-1.0mm / +1.5mm
15mm	-1.0mm / +2.0mm
20mm	-1.5mm / +2.5mm
25mm	-1.5mm / +2.5mm
30mm	-2.0mm / +3.5mm
40mm	-2.5mm / +4.5mm
50mm	-3.5mm / +5.0mm
Other diameters and/or tolerances subject to confirmation.	



This information on Sekisui Foam International products is presented to the best of our knowledge. All product data is based on average values and is for guidance only. As these products are subject to constant research and development, we reserve the right to update the contents without notice.



Recommendations as to methods of post fabrication, application and use of Sekisui Foam International products are based on our experience and knowledge of the characteristics of our products and are given in good faith. As producer of the material we have no control over the application of Sekisui Foam International products and no legal responsibility is accepted for such recommendations. In particular, no responsibility is accepted by us for any system in which Sekisui Foam International products are utilised or for any application.



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