

**SEKISUI FOAM AUSTRALIA**

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# TECHNICAL INFORMATION

## TECHNICAL DATA SHEET

### Softlon® OPC

**Description:**

Softlon® OPC is a physically crosslinked polyolefin foam with superior softness and sound absorption properties. The foam is free of heavy metals, plasticisers and CFCs.

Property	Test Method	Units	Typical Value		
<b>Density</b>	Internal	kg/m <sup>3</sup>	50	33	25
<b>Tensile Strength</b>	JIS K6767				
Longitudinal		kg/cm <sup>2</sup>	6.5	3.8	3.3
Crosswise		kg/cm <sup>2</sup>	3.8	2.1	1.7
<b>Elongation</b>	JIS K6767				
Longitudinal		%	290	190	130
Crosswise		%	240	160	110
<b>Tear Strength</b>	JIS K6767				
Longitudinal		kg/cm	4.0	2.2	1.8
Crosswise		kg/cm	3.3	1.5	1.0
<b>Compression Strength</b>	Internal				
25% deflection		kg/cm <sup>2</sup>	0.26	0.07	0.01
50% deflection		kg/cm <sup>2</sup>	0.71	0.26	0.02
70% deflection		kg/cm <sup>2</sup>	2.29	0.92	0.05
<b>Compression Set</b>	JIS K6767				
25% deflection		% set	2.4	2.2	3.1
<b>Dimensional Change Heat</b>	70°C, 22h				
Longitudinal		-%	0.57	0.75	0.68
Crosswise		-%	2.66	1.71	2.63
<b>Noise Reduction Coefficient</b>	ISO 354				
6mm thickness		[-]	-	0.10	0.15
15mm thickness		[-]	-	-	0.45
<b>Working Temp Range</b>	Internal	°C	-80 / +100		
<b>Water Absorption</b>	JIS K6767	mg/cm <sup>2</sup>	0.14	0.31	2.07
<b>Thermal Conductivity</b>	ASTM C518	W/m.°K, 23°C	-	-	0.034



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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