

SEKISUI FOAM AUSTRALIA

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TECHNICAL INFORMATION

TECHNICAL DATA SHEET

Softlon® OPC

Description:

Softlon® OPC is an open cell, 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		
Density	Internal	kg/m ³	50	33	25
Tensile Strength	JIS K6767				
MD		kg/cm ²	6.5	3.8	3.3
CD		kg/cm ²	3.8	2.1	1.7
Elongation	JIS K6767				
MD		%	290	190	130
CD		%	240	160	110
Tear Strength	JIS K6767				
MD		kg/cm	4.0	2.2	1.8
CD		kg/cm	3.3	1.5	1.0
Compression Strength	Internal				
25% deflection		kg/cm ²	0.26	0.07	0.01
50% deflection		kg/cm ²	0.71	0.26	0.02
70% deflection		kg/cm ²	2.29	0.92	0.05
Compression Set	JIS K6767				
25% deflection		%	2.4	2.2	3.1
Dimensional Change Heat	70°C, 22HR				
MD		%	-0.57	-0.75	-0.68
CD		%	-2.66	-1.71	-2.63
Noise Reduction Coefficient	ISO 354				
6mm thickness		[-]	-	0.10	0.15
15mm thickness		[-]	-	-	0.45
Thermal Conductivity	ASTM C518, 23°C	W/(m·K)	-	-	0.036
Water Absorption	JIS K6767	mg/cm ²	0.14	0.31	2.07
Working Temperature	Internal	°C	-80 ~ 100		



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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