

# SOFTLON<sup>®</sup> OPC

NEW GENERATION OPEN CELL FOAM



Softlon<sup>®</sup> OPC is a new generation open cell physically crosslinked polyolefin foam

# Key Features of Softlon® OPC

## •Unique Technology, outstanding features

Softlon® OPC is made from Sekisui's unique physically crosslinked foam technology which results in foam that feels softer and more flexible.

Unlike conventional open cell PE foams, Softlon OPC is made without crushing the cell structure and skiving the surface. Crushing of the cell structure affects the physical properties of the foam.

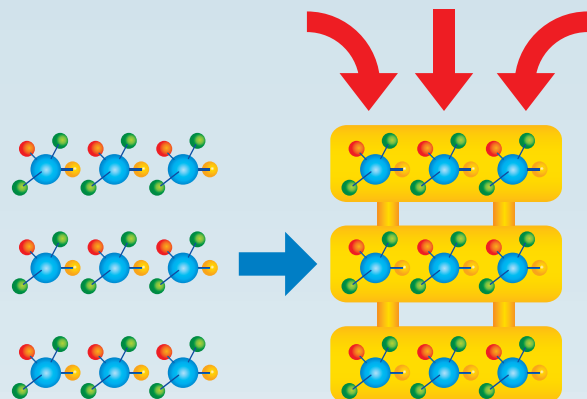
Softlon OPC technology ensures the foam retains majority of its original cell structure, and key physical properties.

Its smooth skin surface enhances its aesthetic value.

## • Key Features and properties of Softlon OPC

- Excellent softness and flexibility
- Excellent sound absorption characteristics
- Superior compression resistance
- Better insulation performance
- Low water absorption
- Good weatherability and chemical resistance
- Aesthetically better due to intact skin

**PHYSICALLY**  
CROSSLINKED  
SEKISUI TECHNOLOGY

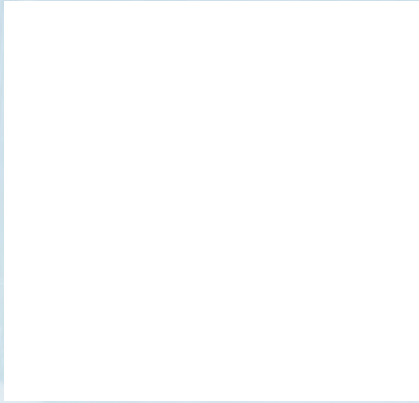
## Softlon® OPC Availability

Thickness Availability	3, 5, 7, 8, 10, 15 and 20mm
Grade Availability	S: Standard Type FR-ND: Flame Retardant Type
Colour Availability	S Type - White (80) FR-ND Type - Black (99)
Expansion Availability (Density)	20, 30 and 40 times (50 kg/m <sup>3</sup> , 33 kg/m <sup>3</sup> and 25 kg/m <sup>3</sup> )
Material Roll Size	T x W1000mm x L30M to 150M depending on thicknesses in Roll (A sheet material can be available on request).
Surface Texture	1. With Skin on both side 2. One side skived
Adhesive Coating	Available on request

# Other grades, colour and expansion can be available on request



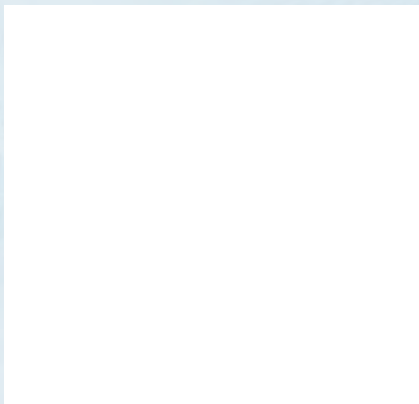
# SOFTLON<sup>®</sup> OPC



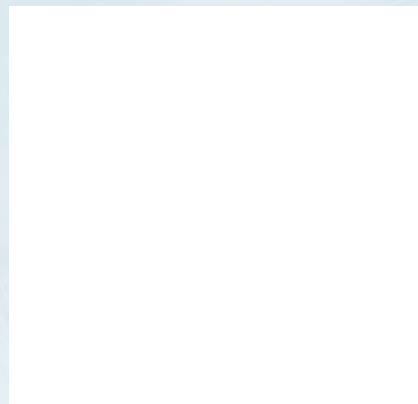
**2000 OPC - S (WHITE)**



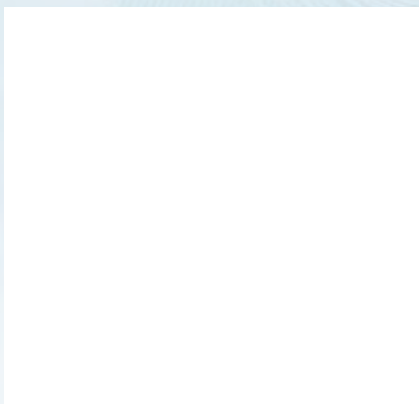
**4000 OPC - FR - ND (BLACK)**



**3000 OPC - S (WHITE)**



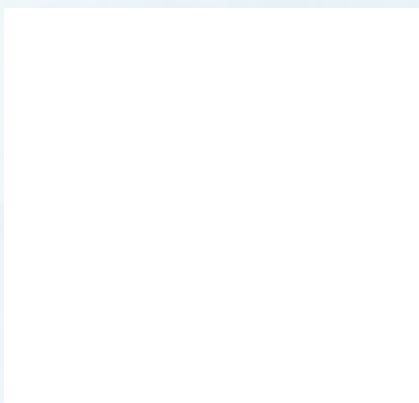
**4000 OPC - FR - ND (STEEL BLUE)**



**4000 OPC - S (WHITE)**



**4000 OPC - S (WHITE) / SKIVED**



**Direct Coating**



**Double Sided Tape**



# 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 <sup>3</sup>	50	33	25
Tensile Strength	JIS K6767				
MD		kg/cm <sup>2</sup>	6.5	3.8	3.3
CD		kg/cm <sup>2</sup>	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 <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
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				
6 mm thickness		[-]	-	0.10	0.15
15 mm thickness		[-]	-	-	0.45
Thermal Conductivity	ASTM C518, 23°C	W/(mK)	-	-	0.036
Water Absorption	JIS K6767	mg/cm <sup>2</sup>	0.14	0.31	2.07
Working Temperature	Internal	°C	-80 ~ 100		

**SEKISUI**

**FOAM**  
INTERNATIONAL  
Global Foam Solutions



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