

SOFTLON[®] F-SERIES

STRUCTURAL NOISE AND VIBRATION ISOLATION

Benefits

- Excellent mechanical properties
- Very lightweight
- Non-toxic and environmentally friendly
- Very easy to cut and fit
- Excellent thermal insulation
- Wide temperature resistance – from -80°C up to 100°C
- Negligible water absorption
- Low water vapour transmission
- Excellent chemical resistance
- Good weathering resistance

Products

Other widths and lengths subject to order.
Other thicknesses up to 150mm on application.

Product	Thickness	Width	Length
Softlon-F5	2 to 60mm	1.2m	2.4m
Softlon-F10	6 to 60mm	1.2m	2.4m
Softlon-F25	3 to 15mm	1.2m	2.4m

The Softlon[®] F-Series provides solutions to problems of structural borne noise and vibration.

SEKISUI

FOAM
INTERNATIONAL
Global Foam Solutions

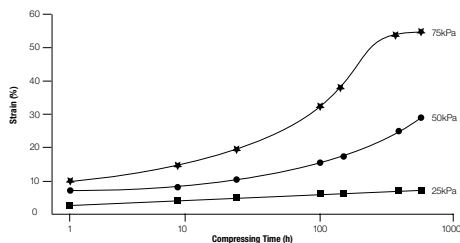
PHYSICALLY
CROSSLINKED
SEKISUI TECHNOLOGY

SOFTLON® F-SERIES

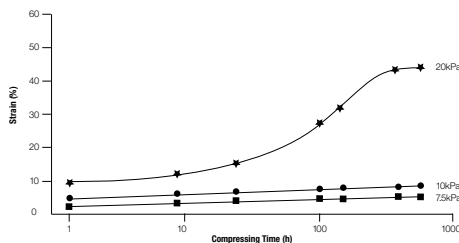
STRUCTURAL NOISE AND VIBRATION ISOLATION

Creep Curves

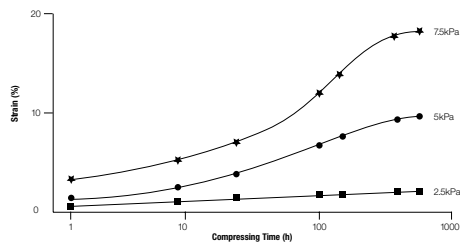
These compression creep curves illustrate the unique properties of SOFTLON®



SOFTLON® F25



SOFTLON® F10



SOFTLON® F5

Applications

SOFTLON® – to insulate, to protect or seal

Softlon® is lightweight, environmentally friendly, and extremely versatile. The fine, closed cell product, is available in continuous rolls or sheets. It has two smooth skins making it very easy to fabricate. Sekisui pioneered the development of cross-linked polyolefin foam with the release of Softlon® in 1965. Softlon® has numerous special characteristics that make it an ideal cost effective solution for an unlimited range of applications.

SOFTLON® F-Series – structural noise and vibration isolation

The Softlon® F-Series provides solutions to problems of structural bourn noise and vibration. The closed cell structure prevents water from being absorbed, eliminating the problems of mould growth in, and freeze fracture around, joints. The compression characteristics assist loads, and therefore vibration, to be isolated. Softlon® F-Series does not rot, and is highly resistant to chemical and climatic degradation.

Examples of areas of application include:

- Motorway bridges
- Reservoirs and sea walls
- Sewerage and digestion tanks
- Multistorey hotel and office developments
- Concert Halls and cinemas
- Apartments within warehouses
- Swimming pools, spas and indoor sports facilities

Softlon® F-Series can be fabricated into various shapes and sizes.

Cutting: Softlon® F-Series is easy to cut with a sharp knife.

Lamination: Softlon® F-Series can easily be built up in thickness. Bonding with films and nonwoven fabrics is also available.

Adhesive: Softlon® F-Series can be easily bonded with construction or preapplied adhesives.

Softlon is a registered trademark of Sekisui Chemical Co. Ltd. or its subsidiaries.

Technical Specs

Properties	Unit	Typical Value		
Grade		F25	F10	F5
Compression Creep (3 yrs, max 10%) max load	kPa	25	10	5
Compression Strength				
25% Compression	kPa	126	53	34
50% Compression	kPa	250	128	98
Compression Set				
25% Defl.n	% set	4	5.1	6.5
50% Defl.n	% set	9.2	15	23
Diml Change Heat (70°C, 22hr)				
MD	-%	0.83	1.43	1.45
CD	-%	0.2	0.4	0.75
Thermal Resistance	W/mK	0.043	0.037	0.034
Water Absorption	mg/cm ²	0.03	0.05	0.07
Operating Temp.	°C	-80 ~100		

This information on Sekisui Foam Australia foams 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.
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