



Alveosoft, the world's softest crosslinked polyolefin foam



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Alveosoft is the softest product line within the Sekisui Alveo product portfolio. Alveosoft features high compressibility and shape recovery, combined with excellent durability. As Alveosoft has a partly open-cell structure it is more than ten times softer than well known closed-cell polyolefin foams and comes closer to the range of soft PVC, PUR and EPDM foams.

Alveosoft is a continuous roll foam with process skins on both sides. The product range covers quick and slow recovery grades in a range from 2–12 mm and different FR variants (DIN 4102 B2, ISO 3795 FMVSS 302, NF P 92-501 M1).

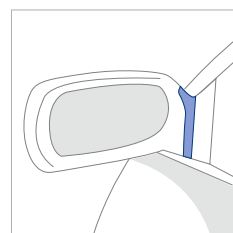
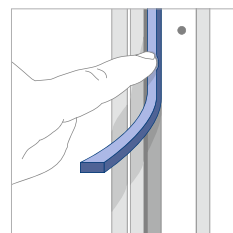
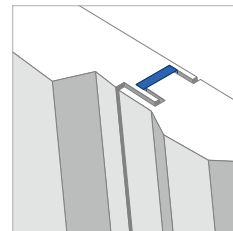
Potential application fields

Sealing tapes and gaskets (dust, draught, cold and noise)

- > Construction elements
- > Windows and doors
- > Automotive
- > Air conditioning
- > White goods
- > Cabinets

Paddings and protectors

- > Footwear
- > Sports gear
- > Consumer goods
- > Packaging
- > Health care





Alveosoft features and benefits

Features	Benefits
> Softness	> Soft touch > Spreads load peaks
> High chemical resistance	> No deterioration when in contact with chemical substances
> Humidity resistance	> Long life in humid conditions, does not decay or rot > Water-repellent
> Easy to compress	> Excellent sealing against dust, draught, noise and cold > Conforms well to irregular gaps > Seals without deformation of adjacent structure
> Environmentally neutral	> No heavy metals > No dangerous additives (plasticizers) > Free of CFC's and HCFC's

For samples and more specific information please contact your local Sekisui Alveo Sales representative.



Standard product range

Thickness	Slow recovery grades		Quick recovery grades		Pass NF P 92-501 M1
	Non-FR	Pass DIN 4102 B2	Non-FR	Pass DIN 4102 B2	
2 mm	SA VM 005	SA VM2 005			
3 mm	SA VM 005	SA VM2 005	SA CK 005	SA CK2 005	SA CKM 005
4 mm	SA VM 005	SA VM2 005	SA CK 005	SA CK2 005	SA CKM 005
5 mm	SA VM 005	SA VM2 005	SA CM 005	SA CM2 005	SA CMM 005
6 mm	SA VM 005	SA VM2 005	SA CM 005	SA CM2 005	SA CMM 005
7 mm	SA HM 015	SA HM2 015	SA CM 005	SA CM2 005	SA CMM 005
8 mm	SA HM 015	SA HM2 015	SA CM 005	SA CM2 005	SA CMM 005
9 mm	SA HM 015	SA HM2 015	SA GM 015	SA GM2 015	SA GMM 015
10 mm	SA HM 015	SA HM2 015	SA GM 015	SA GM2 015	SA GMM 015
11 mm	SA HM 015	SA HM2 015	SA GM 015	SA GM2 015	SA GMM 015
12 mm	SA HM 015	SA HM2 015	SA GM 015	SA GM2 015	SA GMM 015

Special products or laminates on request.

M1 valid only when applied in line with the conditions mentioned in certificate CREPIM CCGM 517/03/094

Product properties

Properties			SA VM (2), SA CK (2/M), SA CM (2/M)	SA HM (2), SA GM (2/M)
Compression stress/strain	25 % 50 %	ISO 3386-1	3 kPa 5 kPa	8 kPa 15 kPa
Tensile elongation		ISO 1926	130 %	90 %
Tensile strength		ISO 1926	250 kPa	205 kPa
Compression set	0.5 h 24 h	ISO 1856-C	7 % 3 %	14 % 6 %
Water absorption		ISO 2896	Max. 2 %	Max. 2 %
Dimensional stability		Internal	90 °C	90 °C
Thermal conductivity	10 °C	ISO 8301	0.033 W/m.K	0.034 W/m.K

All properties should be considered as guideline, not as specification. This information is presented to our best knowledge.

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