



PRODUCT INFORMATION

SM PE ALVEO Polyolefin foam

Alveosoft is a cross-linked polyolefin foam, produced in continuous sheets. It is remarkably soft and possesses a uniform, partially opened cell structure. Its skin is water-repellent. It excels due to its outstanding air sealing capabilities at low pressures and has formidable thermal insulation properties as well as high resistance to aging.

Technical data

Physical	
Carrier	PE Foam cross-linked
Colour	black
Thickness according to ISO 1923	2 mm ± 5 %, 5 mm ± 5 %
Mechanical	
Compression set according to ISO-1856-C, 50 %, 1/2h after	Avg. 7 %
Compression set according to ISO-1856-C, 50 %, 24h after	Avg. 2 %
Compression stress according to ISO-3386-1 at 25 % deflection	Avg. 4 kPa
Compression stress according to ISO-3386-1 at 50 % deflection	Avg. 7 kPa
Density according to ISO 845	30,0 ± 5 % kg/m ³
Tensile elongation crosswise according to ISO 1926	Avg. 72 %
Tensile elongation lengthwise according to ISO 1926	Avg. 83 %
Tensile strength crosswise according to ISO 1926	Avg. 135 kPa
Tensile strength lengthwise according to ISO 1926	Avg. 188 kPa
Thermal	
Temperature max	90 °C
Thermal conductivity at 10 °C according to ISO 8301	0,034 w/mk
Chemical	
Water absorption according to ISO 2896	Avg. 1,7 %

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Specifications	
Fire resistance according to DIN 4102	B2
Flammability according to FMVSS 302	< 100 mm/min
Shelf life	12 months
Storage	20 °C and 50 % relative humidity

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Important notice

The information and data given in this specification are due to our present knowledge and experiences. Before usage, it is incumbent on the purchaser to verify whether it is suitable for the intended purpose, also with regard to application-specific influences. SM Selbstklebetechnik GmbH & Co. KG accepts no liability whatsoever and makes no guarantee in respect of the goods and services ordered or obtained.