

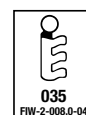
Kaiflex KKplus s2 Technical Data

Material		Elastomeric foam based on synthetic rubber. Flexible Elastomeric Foam (FEF) in acc. to EN 14304	
Cell structure		Closed cell	
Colour	Tubes Sheets	Black Black/Anthracite	
Upper temperature limit	Pipe Flat surfaces	+110 °C +85 °C	
Lower temperature limit		-50 °C (-200 °C)	See remark (1)
Thermal conductivity	λ_{10} at -10 °C at 0 °C at +10 °C	Tubes: $0,033 + 7,2 \cdot 10^{-5} \vartheta + 1,2 \cdot 10^{-6} \vartheta^2$ Sheets: $0,038 + 8,0 \cdot 10^{-5} \vartheta + 1,2 \cdot 10^{-7} \vartheta^2$ Tubes: $\leq 0,032$ W/(m·K) Sheets: $\leq 0,037$ W/(m·K) Tubes: $\leq 0,033$ W/(m·K) Sheets: $\leq 0,038$ W/(m·K) Tubes: $\leq 0,034$ W/(m·K) Sheets: $\leq 0,039$ W/(m·K)	Test acc. to DIN EN ISO 8497 DIN EN 12667
Water vapour permeability	Moisture resistance factor μ	Tubes: ≥ 10.000 Sheets: ≥ 7.000	Test acc. to DIN EN 13469 DIN EN 12086
Euroclass ^o	Tubes Open Tubes (Sheets up to pipe- $\varnothing \leq 300$ mm) Sheets	B _L -s2, d0 B _L -s1, d0 B-s2, d0	Test acc. to DIN EN 13501-1
Practical fire behaviour		Self-extinguishing, no drips, does not support flame spread	
Fire performance		Class 0	Test acc. to BS 476-6
Fire resistance classification (DIN 4102-11) with rubber		R 90	(ABP) Nr.: P-MPA-E-14-001
Corrosion resistance		Satisfies requirements	In acc. with DIN 1988
Insulation material index number acc. to AGI	Tubes Sheets	36.12.02.05.04 36.07.04.05.01	
Health aspects		Dust & fibre free Heavy metal (e.g. cadmium, lead) and formaldehyde free	
Resistance to	Mould and bacteria	No growth	In acc. with VDI 6022
Other attributes	pH-Value	CE marked Neutral	
Other certificates / approvals	Valid for all tubes	FIW-audited (European Insulation Keymark Scheme for Thermal Insulation Products) FM-approved DNV, Lloyd's Register, See BG	035-FIW-2-008.0-04
Shelf life	Self-adhesive products	1 year	Store in a dry room at a typical relative humidity (between 50 % and 70 %) and room temperature (between 0 °C and +35 °C)
Tolerances		In acc. with DIN EN 14304:2013-04	
Outdoor applications		Needs protection against UV-radiation	See remark (2)

Remark (1) For temperatures below -50 °C please contact our Technical Support Team for advice.

Remark (2) To protect against UV-induced deterioration Kaiflex should be either painted using Kaifinish Color paint or covered with a suitable UV resistant cladding system within 1 day of being installed outdoors.

^o The Euroclass rating applies to metallic or solid mineral substrates.



All values are based on results obtained under typical conditions of use. Recipient of these technical specifications are to check with Kaimann in advance if given values are meeting the specifications of intended area of application.

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