

0° C

150



kaiflex EPDM_{plus}

Designed to resist high temperatures and UV radiation.

Durable UV resistant rubber insulation for higher temperatures, Kaiflex EPDMplus is an insulation material with a closed cell structure that provides an inherent water vapour barrier and ensures Kaiflex EPDMplus can be used to prevent condensation and pipe corrosion.

Resisting temperatures of up to 150°C makes Kaiflex EPDMplus appropriate for use on low pressure steam pipework but, in addition, the in-built water vapour barrier of Kaiflex EPDMplus means that the material can also be used on pipework that is operated at very low temperatures or pipework and equipment that intermittently cycles between hot and cold.

Kaiflex EPDMplus is naturally resistant to moisture and chemicals. Together these properties make Kaiflex EPDMplus ideally suited for use in demanding industrial process environments where salt water, chemical vapours and high temperatures combine to accelerate corrosion.

- Closed cell structure with in-built water vapour barrier
- Inherently resistant to corrosion
- Suitable for use at temperatures up to 150° C
- UV resistant for external use



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Kaiflex EPDMplus Technical Specification

Material		EPDM	
Cell Structure		Closed Cell	
Colour		Black	
Upper Temperature Limit	Tubes Sheet Self-adhesive tape	150 °C 150 °C 90 °C	
Lower Temperature Limit		-50 °C -200 °C	see Remark (1)
Thermal Conductivity	at 0 °C at 40 °C	≤ 0.038 W/(m·K) ≤ 0.042 W/(m·K)	Test acc. to EN ISO 8497 EN 12667
Water Vapour Resistance	Moisture Resistance Factor μ	≥ 4500	Test acc. to EN 12086
EuroClass		E	Test acc. to EN 13501-1 see Remark (2)
Practical Fire Behaviour		Self-extinguishing, does not drip, does not spread flames	
Environmental Aspects		ODP Zero GWP Zero	
Health Aspects		Heavy metal (e.g. cadmium, lead) and formaldehyde free Dust & Fibre free	
Resistance to	UV-radiation	Excellent	
Other Attributes	pH-Value	CE Marked Neutral	
Tolerances		Consult table "Tolerances"	In acc. with EN 14304:2013-04
Outdoor Applications		No additional protection against UV radiation required	

Remark (1): For temperatures below - 50 °C please contact our technical service team for advice.

Remark (2): The Euroclass rating applies to metallic or solid mineral substrates.

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Kaiflex EPDMplus tubes

Colour: black · Length: 2 m

Copper pipe Cu			Iron & Steel pipe Fe			10 mm Insulation thickness			13 mm Insulation thickness		
NB inch	Nom OD inch	Nom OD mm	NB inch	Nom OD mm	Min ID mm	Reference	Order No.	m / carton	Reference	Order No.	m / carton
	3/8	10			11	EPDM-10x010	63010010	220	EPDM-13x010	63013010	152
3/8	1/2	12			13	EPDM-10x012	63010012	190	EPDM-13x012	63013012	136
1/2	5/8	15			16	EPDM-10x015	63010015	172	EPDM-13x015	63013015	120
					19	EPDM-10x018	63010018	136	EPDM-13x018	63013018	106
3/4	7/8	22	1/2	21.3	23	EPDM-10x022	63010022	112	EPDM-13x022	63013022	84
1	1 1/8	28	3/4	26.9	29	EPDM-10x028	63010028	84	EPDM-13x028	63013028	72
1 1/4	1 3/8	35	1	33.7	36	EPDM-10x035	63010035	60	EPDM-13x035	63013035	50
1 1/2	1 5/8	42	1 1/4	42.4	43.5	EPDM-10x042	63010042	50	EPDM-13x042	63013042	40
			1 1/2	48.3	49.5	EPDM-10x048	63010048	40	EPDM-13x048	63013048	36
2	2 1/8	54			55	EPDM-10x054	63010054	36	EPDM-13x054	63013054	32
			2	60.3	61.5	EPDM-10x060	63010060	32	EPDM-13x060	63013060	24
2 13/16	3	76.1	2 1/2	76.1	77	EPDM-10x076	63010076	20	EPDM-13x076	63013076	18
			3	88.9	90.5	EPDM-10x089	63010089	18	EPDM-13x089	63013089	16

Copper pipe Cu			Iron & Steel pipe Fe			19 mm Insulation thickness			25 mm Insulation thickness		
NB inch	Nom OD inch	Nom OD mm	NB inch	Nom OD mm	Min ID mm	Reference	Order No.	m / carton	Reference	Order No.	m / carton
3/8	1/2	12			13	EPDM-19x012	63019012	78	EPDM-25x012	63025012	50
1/2	5/8	15			16	EPDM-19x015	63019015	72	EPDM-25x015	63025015	50
					19	EPDM-19x018	63019018	60	EPDM-25x018	63025018	40
3/4	7/8	22	1/2	21.3	23	EPDM-19x022	63019022	56	EPDM-25x022	63025022	36
1	1 1/8	28	3/4	26.9	29	EPDM-19x028	63019028	40	EPDM-25x028	63025028	32
1 1/4	1 3/8	35	1	33.7	36	EPDM-19x035	63019035	36	EPDM-25x035	63025035	24
1 1/2	1 5/8	42	1 1/4	42.4	43.5	EPDM-19x042	63019042	32	EPDM-25x042	63025042	22
			1 1/2	48.3	49.5	EPDM-19x048	63019048	24	EPDM-25x048	63025048	18
2	2 1/8	54			55	EPDM-19x054	63019054	22	EPDM-25x054	63025054	18
			2	60.3	61.5	EPDM-19x060	63019060	18	EPDM-25x060	63025060	16
					71.5				EPDM-25x070	63025070	16
2 13/16	3	76.1	2 1/2	76.1	77	EPDM-19x076	63019076	16	EPDM-25x076	63025076	12
			3	88.9	90.5	EPDM-19x089	63019089	12	EPDM-25x089	63025089	12
			4	114.3	116	EPDM-19x114	63019114	8	EPDM-25x114	63025114	6

- Delivery time for all Kaiflex EPDMplus products: 10 working days
- 10 mm and 32 mm tubes are available upon request

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Kaiflex EPDMplus continuous sheet

Colour: black						
Insulation thickness mm	Width m	Length m	Continuous sheet			
			Reference	Order No.	m ² / carton	
6	1	18	EPDM-06-E	64406000	18	
10	1	10	EPDM-10-E	64410000	10	
13	1	8	EPDM-13-E	64413000	8	
19	1	6	EPDM-19-E	64419000	6	
25	1	4	EPDM-25-E	64425000	4	
32	1	3	EPDM-32-E	64432000	3	

Kaiflex EPDMplus self-adhesive tape

Colour: black						
Reference	Order No.	Insulation thickness mm	Width mm	Length m	rolls / carton	
EPDM-TAPE	6491BAND	3	50	15	12	

Kaiflex Solar EPDM endless tubes

Colour: black · Length: 2 m												
Copper pipe Cu			Iron & Steel pipe Fe			13 mm Insulation thickness			19 mm Insulation thickness			
NB inch	Nom OD inch	Nom OD mm	NB inch	Nom OD mm	Min ID mm	Reference	Order No.	m / carton	Reference	Order No.	m / carton	
1/2	5/8	15			16	EPDM-SOLAR-13x015/E	62813015	18	EPDM-SOLAR-19x015/E	62819015	14	
					19	EPDM-SOLAR-13x018/E	62813018	16	EPDM-SOLAR-19x018/E	62819018	12	
3/4	7/8	22	1/2	21.3	23	EPDM-SOLAR-13x022/E	62813022	15	EPDM-SOLAR-19x022/E	62819022	10	
1	1 1/8	28	3/4	26.9	29	EPDM-SOLAR-13x028/E	62813028	11	EPDM-SOLAR-19x028/E	62819028	8	
1 1/4	1 3/8	35	1	33.7	36	EPDM-SOLAR-13x035/E	62813035	10	EPDM-SOLAR-19x035/E	62819035	6	

- Delivery time for all Kaiflex EPDMplus products: 10 working days
- Delivery time for Kaiflex Solar EPDM 2in2 VA & Kaiflex Solar EPDM-CO products: 10 working days
- 6 mm and 32 mm continuous sheet are available upon request