

kaiflex[®] EPDM_{plus}

Designed to resist high temperatures and UV radiation

Kaiflex EPDMplus flexible, closed cell rubber insulation material with excellent UV- and temperature resistance.

- Rated for temperatures from +150 °C to -50 °C (-200 °C)
- In-built vapour barrier for long lasting protection against corrosion
- High thermal efficiency, $\lambda \leq 0,038 \text{ W/(m}\cdot\text{K)}$ at 0 °C
- Does not drip in case of fire



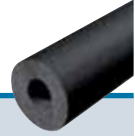
Kaiflex EPDMplus Technical Data

Material		EPDM	
Cell structure		Closed cell	
Colour		Black	
Upper temperature limit	Tubes & Sheets Tape	+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 DIN EN ISO 8497 DIN EN 12667
Water vapour permeability	Moisture resistance factor μ	≥4.500	Test acc. to DIN EN 12086
Euroclass [◊]		E	Test acc. to DIN EN 13501-1
Practical fire behaviour		Self-extinguishing, no drips, does not support flame spread	
Environmental aspects		ODP Zero GWP Zero	
Insulation material index number acc. to AGI	Tubes Sheets	36.12.03.15.04 36.07.03.15.04	
Health aspects		Dust & fibre free Heavy metal (e.g. cadmium, lead) and formaldehyde free	
Resistance to	UV	Excellent	
Other attributes	pH-Value	CE marked Neutral	
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		No additional protection against UV-radiation required	

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

[◊] The Euroclass rating applies to metallic or solid mineral substrates.

Kaiflex EPDMplus Tube



Colour: Black - Length: 2 m

Copper pipe Cu		Iron & steel pipe Fe			10 mm Insulation thickness			13 mm Insulation thickness		
OD mm	Nom width DN	Inch	OD mm	Nom width DN	Reference	Order No.	m/ carton	Reference	Order No.	m/ carton
10,0	8	1/8	10,2	6	EPDMp-10x010	63010010	220	EPDMp-13x010	63013010	152
12,0	10		12,5		EPDMp-10x012	63010012	190	EPDMp-13x012	63013012	136
15,0	10	1/4	13,5	8	EPDMp-10x015	63010015	172	EPDMp-13x015	63013015	120
18,0	15	3/8	17,2	10	EPDMp-10x018	63010018	136	EPDMp-13x018	63013018	106
22,0	20	1/2	21,3	15	EPDMp-10x022	63010022	112	EPDMp-13x022	63013022	84
28,0	25	3/4	26,9	20	EPDMp-10x028	63010028	84	EPDMp-13x028	63013028	72
35,0	32	1	33,7	25	EPDMp-10x035	63010035	60	EPDMp-13x035	63013035	50
42,0	40	1 1/4	42,4	32	EPDMp-10x042	63010042	50	EPDMp-13x042	63013042	40
		1 1/2	48,3	40	EPDMp-10x048	63010048	40	EPDMp-13x048	63013048	36
54,0	50		54,0		EPDMp-10x054	63010054	36	EPDMp-13x054	63013054	32
57,0	50		57,0		EPDMp-10x057	63010057	32	EPDMp-13x057	63013057	24
		2	60,3	50	EPDMp-10x060	63010060	32	EPDMp-13x060	63013060	24
76,1	65	2 1/2	76,1	65	EPDMp-10x076	63010076	20	EPDMp-13x076	63013076	18
88,9	80	3	88,9	80	EPDMp-10x089	63010089	18	EPDMp-13x089	63013089	16

Copper pipe Cu		Iron & steel pipe Fe			19 mm Insulation thickness			25 mm Insulation thickness		
OD mm	Nom width DN	Inch	OD mm	Nom width DN	Reference	Order No.	m/ carton	Reference	Order No.	m/ carton
10,0	8	1/8	10,2	6						
12,0	10		12,5		EPDMp-19x012	63019012	78	EPDMp-25x012	63025012	50
15,0	10	1/4	13,5	8	EPDMp-19x015	63019015	72	EPDMp-25x015	63025015	50
18,0	15	3/8	17,2	10	EPDMp-19x018	63019018	60	EPDMp-25x018	63025018	40
22,0	20	1/2	21,3	15	EPDMp-19x022	63019022	56	EPDMp-25x022	63025022	36
28,0	25	3/4	26,9	20	EPDMp-19x028	63019028	40	EPDMp-25x028	63025028	32
35,0	32	1	33,7	25	EPDMp-19x035	63019035	36	EPDMp-25x035	63025035	24
42,0	40	1 1/4	42,4	32	EPDMp-19x042	63019042	32	EPDMp-25x042	63025042	22
		1 1/2	48,3	40	EPDMp-19x048	63019048	24	EPDMp-25x048	63025048	18
54,0	50		54,0		EPDMp-19x054	63019054	22	EPDMp-25x054	63025054	18
57,0	50		57,0		EPDMp-19x057	63019057	18	EPDMp-25x057	63025057	18
		2	60,3	50	EPDMp-19x060	63019060	18	EPDMp-25x060	63025060	16
76,1	65	2 1/2	76,1	65	EPDMp-19x076	63019076	16	EPDMp-25x076	63025076	12
88,9	80	3	88,9	80	EPDMp-19x089	63019089	12	EPDMp-25x089	63025089	12
114,0	100	4	114,3	100	EPDMp-19x114	63019114	8	EPDMp-25x114	63025114	6

Kaiflex EPDMplus Tube



Colour: Black · Length: 2 m

Copper pipe Cu		Iron & steel pipe Fe			32 mm Insulation thickness					
OD mm	Nom width DN	Inch	OD mm	Nom width DN	Reference	Order No.	m/ carton			
12,0	10		12,5		EPDMp-32x012	63032012	32			
15,0	10	1/4	13,5	8	EPDMp-32x015	63032015	32			
18,0	15	3/8	17,2	10	EPDMp-32x018	63032018	24			
22,0	20	1/2	21,3	15	EPDMp-32x022	63032022	24			
28,0	25	3/4	26,9	20	EPDMp-32x028	63032028	22			
35,0	32	1	33,7	25	EPDMp-32x035	63032035	18			
42,0	40	1 1/4	42,4	32	EPDMp-32x042	63032042	18			
		1 1/2	48,3	40	EPDMp-32x048	63032048	14			
54,0	50		54,0		EPDMp-32x054	63032054	12			
57,0	50		57,0		EPDMp-32x057	63032057	12			
		2	60,3	50	EPDMp-32x060	63032060	12			
76,1	65	2 1/2	76,1	65	EPDMp-32x076	63032076	8			
88,9	80	3	88,9	80	EPDMp-32x089	63032089	8			
114,0	100	4	114,3	100	EPDMp-32x114	63032114	6			

Kaiflex EPDMplus Sheet · continuous



Colour: Black

Insulation thickness mm	Sheet · continuous 1 m width		
	Reference	Order No.	m²/ carton
6	EPDMp-06-RL	64406000	18
10	EPDMp-10-RL	64410000	10
13	EPDMp-13-RL	64413000	8
19	EPDMp-19-RL	64419000	6
25	EPDMp-25-RL	64425000	4
32	EPDMp-32-RL	64432000	3

