



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	λ_{10} at -10 °C at 0 °C at +10 °C	$0,038 + 8,0 \cdot 10^{-5} \vartheta + 7,0 \cdot 10^{-7} \vartheta^2$ $\leq 0,037 \text{ W/(m}\cdot\text{K)}$ $\leq 0,038 \text{ W/(m}\cdot\text{K)}$ $\leq 0,039 \text{ W/(m}\cdot\text{K)}$	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 ^o		E _L /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	Tiubes Sheets	36.12.03.06.04 36.07.03.06.04	
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.

^o 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	4003230	220	EPDMp-13x010	4003245	152
12,0	10		12,5		EPDMp-10x012	4003231	190	EPDMp-13x012	4003246	136
15,0	10	1/4	13,5	8	EPDMp-10x015	4003232	172	EPDMp-13x015	4003247	120
18,0	15	3/8	17,2	10	EPDMp-10x018	4003233	136	EPDMp-13x018	4003248	106
22,0	20	1/2	21,3	15	EPDMp-10x022	4003234	112	EPDMp-13x022	4003249	84
28,0	25	3/4	26,9	20	EPDMp-10x028	4003235	84	EPDMp-13x028	4003250	72
35,0	32	1	33,7	25	EPDMp-10x035	4003237	60	EPDMp-13x035	4003251	50
42,0	40	1 1/4	42,4	32	EPDMp-10x042	4003238	50	EPDMp-13x042	4003252	40
		1 1/2	48,3	40	EPDMp-10x048	4003239	40	EPDMp-13x048	4003253	36
54,0	50		54,0		EPDMp-10x054	4003240	36	EPDMp-13x054	4003254	32
		2	60,3	50	EPDMp-10x060	4003242	32	EPDMp-13x060	4003256	24
76,1	65	2 1/2	76,1	65	EPDMp-10x076	4003243	20	EPDMp-13x076	4003257	18
88,9	80	3	88,9	80	EPDMp-10x089	4003244	18	EPDMp-13x089	4003258	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	4003259	78	EPDMp-25x012	4003273	50
15,0	10	1/4	13,5	8	EPDMp-19x015	4003260	72	EPDMp-25x015	4003274	50
18,0	15	3/8	17,2	10	EPDMp-19x018	4003261	60	EPDMp-25x018	4003275	40
22,0	20	1/2	21,3	15	EPDMp-19x022	4003262	56	EPDMp-25x022	4003276	36
28,0	25	3/4	26,9	20	EPDMp-19x028	4003263	40	EPDMp-25x028	4003277	32
35,0	32	1	33,7	25	EPDMp-19x035	4003264	36	EPDMp-25x035	4003278	24
42,0	40	1 1/4	42,4	32	EPDMp-19x042	4003265	32	EPDMp-25x042	4003279	22
		1 1/2	48,3	40	EPDMp-19x048	4003266	24	EPDMp-25x048	4003280	18
54,0	50		54,0		EPDMp-19x054	4003267	22	EPDMp-25x054	4003281	18
		2	60,3	50	EPDMp-19x060	4003269	18	EPDMp-25x060	4003283	16
76,1	65	2 1/2	76,1	65	EPDMp-19x076	4003270	16	EPDMp-25x076	4003285	12
88,9	80	3	88,9	80	EPDMp-19x089	4003271	12	EPDMp-25x089	4003287	12

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			
10,0	8	1/8	10,2	6						
12,0	10		12,5		EPDMp-32x012	4003289	32			
15,0	10	1/4	13,5	8	EPDMp-32x015	4003290	32			
18,0	15	3/8	17,2	10	EPDMp-32x018	4003291	24			
22,0	20	1/2	21,3	15	EPDMp-32x022	4003292	24			
28,0	25	3/4	26,9	20	EPDMp-32x028	4003293	22			
35,0	32	1	33,7	25	EPDMp-32x035	4003294	18			
42,0	40	1 1/4	42,4	32	EPDMp-32x042	4003295	18			
		1 1/2	48,3	40	EPDMp-32x048	4003296	14			
54,0	50		54,0		EPDMp-32x054	4003297	12			
		2	60,3	50	EPDMp-32x060	4003299	12			
76,1	65	2 1/2	76,1	65	EPDMp-32x076	4003301	8			
88,9	80	3	88,9	80	EPDMp-32x089	4003302	8			

Kaiflex EPDMplus Sheet · continuous



Colour: Black

Insulation thickness mm	Sheet · continuous 1 m width		
	Reference	Order No.	m ² / carton
6	EPDMp-06-RL	4003333	18
10	EPDMp-10-RL	4003334	10
13	EPDMp-13-RL	4003336	8
19	EPDMp-19-RL	4003338	6
25	EPDMp-25-RL	4003340	4
32	EPDMp-32-RL	4003341	3

