

Kaiflex[®] EPDM_{plus}



Designed to resist high temperatures and UV radiation

UV resistant rubber insulation for higher temperatures, Kaiflex EPDM is closed cell with highly moisture resistant properties that reliably prevent condensation and pipe corrosion.

EPDM rubber is durable, high temperature and UV resistant, making Kaiflex EPDM appropriate for use on outdoor split air-conditioning and solar hot water pipes which operate at temperatures that melt conventional domestic pipe insulation.

Kaiflex EPDM, in addition to resisting temperatures of up to 150°C, is naturally resistant moisture ingress and chemical inflicted degradation. Together these properties make Kaiflex EPDM ideally suited for use in demanding industrial process environments where salt water, chemical vapours and high temperatures combine to accelerate corrosion.

- Suitable for use at temperatures up to 150°C
- UV resistant for external use
- Closed cell structure with in-built water vapour barrier
- Inherent moisture resistance with long lasting protection against corrosion

Designed to resist high temperatures and UV radiation

Kaiflex EPDMplus Technical Specification

Polymer		EPDM	
Cell Structure		Closed Cell	
Colour		Black	
Upper Temperature Limit	tube & sheet	+150°C	
	self-adhesive tape	+85°C	
Lower Temperature Limit		-200°C	see remark (1)
Thermal Conductivity	at -0°C	0.038 W/(m·K)	Test acc. to - EN 12667 - EN ISO 8497
	at +40°C	0.042 W/(m·K)	
Water Vapour Barrier		In-built	
Water Vapour Resistance	Moisture Resistance Factor μ	$\geq 4\ 500$	Test acc. to EN ISO 12086
EuroClass		E	Test acc. to EN 13501-1
Reaction to Fire		Self-extinguishing, does not drip	
Environmental Aspects		ODP zero GWP zero Cadmium free	
Health Aspects		Dust & Fibre free Formaldehyde free	
Resistance to ...	Mould	Excellent	
	UV radiation	Excellent	
Other attributes	PH-value	neutral	
Outdoor applications		No additional protection against UV radiation required	

Remark (1) For temperatures between -50°C and -200°C please ask our Technical Support Team for advice.

Kaiflex EPDMplus tolerances: thickness & length

Insulation thickness mm	6	9	10	13	19	25	≥ 32	Length all thicknesses	Width all thicknesses
Tubes	± 1.0 mm	± 1.5 mm	± 1.5 mm	± 1.5 mm	± 2.5 mm	± 2.5 mm	± 3.0 mm	$\pm 1.5\%$	
Sheet	± 1.0 mm	-	± 1.5 mm	± 1.5 mm	± 1.5 mm	± 2.0	± 2.0	$\pm 1.5\%$	$\pm 2.0\%$
Rolls	± 1.0 mm	-	± 1.5 mm	± 1.5 mm	± 1.5 mm	± 2.0	± 2.0	+ 5.0% / - 1.5%	$\pm 2.0\%$

Kaiflex EPDMplus 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	m / carton		Reference	m / carton	
	3/8	10		10.2	11.0	EPDM-13x010	152				
3/8	1/2	12		12	13.0	EPDM-13x012	136		EPDM-19x012	78	
1/2	5/8	15		13.5	16.0	EPDM-13x015	120		EPDM-19x015	72	
		18		17.2	19.0	EPDM-13x018	106		EPDM-19x018	60	
3/4	7/8	22	1/2	21.3	23.0	EPDM-13x022	84		EPDM-19x022	56	
1	1 1/8	28	3/4	26.9	29.0	EPDM-13x028	72		EPDM-19x028	40	
1 1/4	1 3/8	35	1	33.7	36.0	EPDM-13x035	50		EPDM-19x035	36	
1 1/2	1 5/8	42	1 1/4	42.4	43.5	EPDM-13x042	40		EPDM-19x042	32	
			1 1/2	48.3	49.5	EPDM-13x048	36		EPDM-19x048	24	
2	2 1/8	54			55.0	EPDM-13x054	32		EPDM-19x054	22	
			2	60.3	61.5	EPDM-13x060	24		EPDM-19x060	18	
2 13/16	3	76.1	2 1/2	76.1	77.0	EPDM-13x076	18		EPDM-19x076	16	
			3	88.9	90.5	EPDM-13x089	16		EPDM-19x089	12	

Copper Pipe Cu			Iron & Steel pipe Fe			25 mm Insulation Thickness					
NB inch	Nom OD inch	Nom OD mm	NB inch	Nom OD mm	Min ID mm	Reference	m / carton				
	3/8	10			11.0						
3/8	1/2	12			13.0	EPDM-25x012	50				
1/2	5/8	15			16.0	EPDM-25x015	50				
		18		17.2	19.0	EPDM-25x018	40				
3/4	7/8	22	1/2	21.3	23.0	EPDM-25x022	36				
1	1 1/8	28	3/4	26.9	29.0	EPDM-25x028	32				
1 1/4	1 3/8	35	1	33.7	36.0	EPDM-25x035	24				
1 1/2	1 5/8	42	1 1/4	42.4	43.5	EPDM-25x042	22				
			1 1/2	48.3	49.5	EPDM-25x048	18				
2	2 1/8	54			55.0	EPDM-25x054	18				
			2	60.3	61.5	EPDM-25x060	16				
2 13/16	3	76.1	2 1/2	76.1	77.0	EPDM-25x076	12				
			3	88.9	90.5	EPDM-25x089	12				

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



Note that due to the severe ongoing volatility of raw EPDM prices, the listed prices for Kaiflex EPDM products are guide prices only. Actual prices will be determined by the market price for raw EPDM at the beginning of each quarter. For more details and to confirm the prices applicable for the current quarter please contact our customer service.

Kaiflex EPDMplus continuous sheet

Colour: black;

Insulation Thickness mm	Width m	Length m	Reference	m ² / carton	
10	1	10	EPDM-10-E	10	
13	1	8	EPDM-13-E	8	
19	1	6	EPDM-19-E	6	
25	1	4	EPDM-25-E	4	

Kaiflex EPDMplus self-adhesive tape

Colour: black;

Insulation Thickness mm	Width mm	Length m	Reference	rolls / carton	
3	50	15	EPDM-TAPE	12	

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



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